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ACA082419

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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

WRIGHT-PATTERSON AFB OH WBAN # 13840
N 39 50 W 084 03 FLD ELEV 827 FT FFO WMO # 74570

PARTS A-F

POR FROM HOURLY OBS: SEP 67- DEC 70, JAN 73 - AUG 79
POR FROM DAILY OBS : SEP 49- AUG 79

HOOR CONVERSION GMT TO LST = -5

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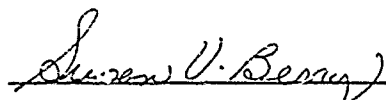
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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 80/027	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Wright-Patterson AFB, Dayton, Ohio		5 TYPE OF REPORT & PERIOD COVERED Final rept.
7 AUTHOR(s)		6 PERFORMING ORG. REPORT NUMBER
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8 CONTRACT OR GRANT NUMBER(s)
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10 PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS
13 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12 REPORT DATE 29 Feb 80
		13 NUMBER OF PAGES p.
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16 DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 ABSTRACT (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20 SUMMARY (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Wright-Patterson AFB, Dayton, Ohio It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))		

DD FORM 1 JAN 73 1473

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Ohio

* Wright-Patterson AFB, OH

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations. 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO OR SUMMARY 13840		STATION NAME WRIGHT-PATTERSON AFB/DAYTON		LATITUDE N 39 50		LONGITUDE W 084 03		FIELD ELEV (FT) 827		CALL SIGN FFO		WMO NUMBER 74570	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARD.					
1	Wright-Patterson AFB, Ohio	AFB	Sep 49	Oct 62	N 39 49	W 084 02	827	822 ft	24				
2	Same	Same	Nov 62	Mar 63	Same	Same	Same	820 ft	24				
3	Same	Same	Apr 63	Oct 76	Same	W 084 03	Same	Same	24				
4	Same	Same	Nov 76	Aug 79	N 39 50	Same	Same	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 49	Located between rnwy 23R and 23L	GMQ-11	RO -	13 ft	
2	Nov 62	1. Located between rnwy 23R and 23L	Same	Same	Same	
		2. Located between rnwy 05R and 05L	Same		Same	
3	May 63	1. Located 500 ft ESE of centerline and 750 E of end rnwy 23R	Same	Same	Same	
		2. Located 475 ft SSW of centerline and 1100 ft W of end rnwy 05L	Same		Same	
4	Jan 70	1. Located 800 ft ESE of end of rnwy 23R	GMQ-11	RO-2	13 ft	
		2. Located 780 ft SSW of end of rnwy 05L	Same		Same	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
5	Jan 71	1. Same	Same	RO-362	13 ft	
		2. Same	Same		Same	
6	Oct 76	1. Same	GMQ-20	Same	Same	
		2. Same	Same		Same	
7	Aug 79	1. Same	Same	Same	Same	
		2. Same	Same		Same	

U S AIR FORCE
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A

C PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WHAM sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Lowling spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columnar. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12840 FLIGHT-PATTERSON AFB OH 65-70, 73-79 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-02	.3	7.5	1.2	10.6		27.0	19.7	5.9	2.5		24.4	930
	03-05	.2	6.4	1.0	17.1		21.6	19.9	5.6	2.0		24.2	930
	06-08	.1	9.2	2.0	18.5		29.1	24.7	10.4	3.5		32.7	930
	09-11		8.2	.9	20.9		29.0	24.9	18.7	3.1		40.0	930
	12-14		8.8	.0	15.4		24.3	18.4	17.2	3.0		34.9	930
	15-17	.2	6.9	1.1	12.5		19.9	15.4	13.5	2.5		29.5	930
	18-20		7.4	1.2	12.3		20.3	14.5	9.4	2.3		24.0	930
	21-23		6.4	1.6	14.7		23.9	14.8	6.5	1.6		21.4	930
TOTALS		.1	6.3	1.3	16.0		25.1	19.0	10.9	2.7		28.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1364J

WRIGHT-PATTERSON AFB OH

63-70, 73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	0-02	.4	6.5	.7	9.0		15.7	13.8	5.6	.4		16.8	846
	03-05		6.9	.9	12.1		19.5	16.0	5.6	.4		19.4	846
	06-08		5.3	1.4	13.4		19.0	22.2	9.6	.5		27.1	846
	09-11		5.9	.9	14.3		20.9	20.8	17.8	.5		33.6	846
	12-14		5.3	.6	11.6		17.1	11.7	18.0	.2		26.6	846
	15-17	.1	6.9	.5	11.2		17.3	10.3	12.5	.2		20.4	846
	18-20	.1	5.6	.9	9.2		15.5	11.8	8.2	.5		18.3	846
	21-23	.2	6.0	.2	9.1		15.1	10.3	5.7	.4		13.9	846
TOTALS		.1	5.9	.8	11.3		17.6	14.6	10.4	.4		22.0	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13840 FIGHT-PATTERSON AFB OH
STATION STATION NAME

66-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	.4	14.1		6.2		18.8	12.1	3.6	.1		13.6	929
	03-05	.8	12.7	.3	6.7		18.7	15.6	3.6			17.4	930
	06-08	.1	12.8	.4	8.9		21.2	24.0	11.4			30.2	930
	09-11		8.9	.6	7.6		16.8	15.9	12.4	.1		25.7	930
	12-14		7.7	.3	5.5		13.3	10.9	7.4	.1		16.1	930
	15-17	.1	9.6	.4	7.0		16.5	8.9	8.0	.5		14.8	930
	18-20	.6	11.2		7.5	.1	18.6	9.2	6.2	.6		13.7	930
	21-23	.9	10.2	.1	8.0		16.0	10.5	3.8			11.9	930
TOTALS		.4	10.8	.3	6.8	.0	17.5	13.4	7.0	.2		17.9	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13840

WRIGHT-PATTERSON AFB OH

63-70, 73-79

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	1.2	9.6		.4		10.0	4.3	1.8			5.0	900
	03-05	1.3	10.4		.9		11.3	0.2	2.7			9.3	900
	06-08	.9	13.3		1.3		14.6	18.9	9.1			27.9	900
	09-11	.8	11.9		2.1		13.4	10.1	6.3			15.3	900
	12-14	1.0	11.0		1.4		12.3	5.5	6.2			11.0	899
	15-17	1.0	11.3		1.2		12.2	4.8	3.9			8.0	900
	18-20	1.1	10.8		1.0		11.6	5.8	4.6			9.0	900
	21-23	.7	9.1		.9		9.9	5.0	1.4			6.0	900
TOTALS		1.0	10.9		1.2		11.9	7.8	4.6			10.9	7199

GLC /L CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1946 FIGHT-PATTERSON AFB OH 68-70, 73-79 MAY
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	1.7	10.2				10.2	13.0	8.5			17.8	930
	03-05	1.3	11.8				11.8	23.8	14.3			31.1	930
	06-08	.4	9.5				9.5	30.6	22.7			41.3	930
	09-11	.6	5.1				5.1	11.0	15.7			24.2	930
	12-14	1.4	10.0				10.0	5.5	13.4			17.5	930
	15-17	2.6	10.1				10.1	4.7	11.2			14.8	930
	18-20	3.3	10.5				10.5	4.9	10.1			14.3	930
	21-23	2.6	9.7				9.7	6.1	7.2			11.5	930
TOTALS		1.8	10.1				10.1	12.5	12.9			21.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849 WRIGHT-PATTERSON AFB OH

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02	3.3	8.3				4.3	8.2	13.5			18.2	899
	03-05	1.9	7.2				7.2	24.9	23.1			34.2	960
	06-08	.9	7.6				7.6	31.4	37.6			50.4	900
	09-11	.6	6.8				6.6	9.0	26.6			31.7	900
	12-14	2.4	6.6				6.6	2.9	20.1			21.8	900
	15-17	4.9	7.7				7.7	2.0	16.6			17.7	900
	18-20	5.3	6.2			.1	6.2	2.8	15.9			17.1	900
	21-23	4.8	6.3				6.3	3.1	11.8			13.9	900
TOTALS		3.1	7.1			.0	7.1	10.5	20.7			25.6	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13943

WRIGHT-PATTERSON AFB OH

68-70,73-79

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.4	3.1				3.1	14.6	27.5			32.4	930
	03-05	1.0	4.7				4.0	32.6	32.5			47.6	930
	06-08	1.3	5.8				5.8	42.8	47.3			59.4	930
	09-11	1.3	5.8				5.4	12.0	34.3			41.1	930
	12-14	3.2	6.9				6.9	3.4	30.2			32.5	730
	15-17	2.9	5.6				5.6	2.7	27.8			29.2	930
	18-20	4.1	7.2				7.2	5.6	27.4			30.0	930
	21-23	2.7	5.5				5.5	5.6	26.6			30.5	930
TOTALS		2.2	5.5				5.5	15.3	30.8			37.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13840 STATION WRIGHT-PATTERSON AFB OH 68-70,73-79 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
AUG	00-02	3.0	6.7				6.7	20.8	25.6			35.5	929
	03-05	2.2	7.5				7.5	39.4	29.7			49.7	929
	06-08	1.6	5.5				5.5	60.0	43.2			70.5	930
	09-11	.9	4.7				4.7	17.0	41.1			49.8	930
	12-14	2.0	4.8				4.8	3.7	36.0			38.0	930
	15-17	3.7	6.9			.1	6.9	5.0	32.0			33.5	929
	18-20	4.5	6.9				6.9	4.7	31.9			34.5	927
	21-23	3.8	5.4				5.4	9.3	26.7		.1	31.4	924
TOTALS		2.7	6.1			.0	6.1	19.7	33.3		.0	42.9	7428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13840

WRIGHT-PATTERSON AFB OH

67-70, 73-78

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
SEP	00-02	.3	6.3				6.3	17.3	16.2			25.8	900
	03-05	.6	6.7				6.7	30.8	17.3			36.2	900
	06-08	.3	6.4				6.9	46.4	26.9			53.4	900
	09-11	.4	7.0				7.0	15.1	31.3			39.6	900
	12-14	.7	5.0				5.0	4.8	19.6			23.1	900
	15-17	.9	5.3				5.3	3.7	19.8			22.0	900
	18-20	2.2	5.0				5.0	5.3	17.1			19.7	900
	21-23	1.9	6.2				6.2	6.6	14.2			17.9	900
TOTALS		.9	6.1				6.1	16.3	20.4			29.7	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1384J

WRIGHT-PATTERSON AFB OH

67-70, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.4	7.5		.1		7.5	14.6	6.7			17.8	930
	03-05	.5	8.6				8.0	18.9	7.3			21.5	930
	06-08	.2	9.4		.3		9.7	31.4	16.8			37.7	930
	09-11	.3	10.6				10.6	17.5	19.5			32.6	930
	12-14	.2	10.1		.3		10.1	9.1	9.1			18.0	930
	15-17	.2	10.3		.1		10.3	7.6	7.6			14.8	930
	18-20	.5	10.9				10.9	3.0	6.6			13.9	930
	21-23	1.0	12.2		.3		12.3	9.4	4.5			12.4	930
TOTALS		.4	9.9		.1		9.9	14.6	9.8			21.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13540
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	0-02	.1	10.2	.1	3.0		12.4	15.7	8.4			13.3	900
	03-05	.1	12.9		3.7		16.3	21.2	7.1			24.2	900
	06-08	.2	12.3		4.1		16.2	17.1	10.8			32.4	900
	09-11	.2	12.6		5.9		16.3	21.2	17.9			33.1	900
	12-14	.3	10.9		4.2		15.1	10.7	14.4			22.4	900
	15-17	.1	12.7		3.7		16.2	8.6	10.4			16.9	900
	18-20		11.9	.2	3.2		15.1	9.8	7.4			15.2	900
	21-23	.1	10.0		3.9		13.3	10.1	5.7			13.9	900
TOTALS		.1	11.7	.0	4.0		15.4	15.6	10.3			22.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13846 WRIGHT-PATTERSON AFB OH 67-70,73-78 DEC
STATION 1 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		11.1	.5	10.1		20.8	12.3	2.4	.1		13.8	930
	03-05	.3	11.9	1.1	11.0		22.0	11.9	2.6			13.4	930
	06-08		12.0	.4	10.2		22.5	16.5	5.9	.2		20.2	930
	09-11	.1	11.3	.2	11.2		22.2	19.5	14.4	.5		28.7	930
	12-14		12.3	.3	10.6		22.4	12.2	13.1	.4		23.5	930
	15-17		12.6	.8	10.8		23.9	11.4	10.9	.6		20.9	930
	18-20	.1	11.3	.6	8.5		20.2	11.0	6.6	.5		16.5	928
	21-23	.1	11.5	.6	8.6		20.3	10.6	2.9	.2		12.8	927
TOTALS		.1	11.8	.6	10.1		21.8	13.2	7.4	.3		18.7	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-79
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	8.3	1.3	10.1		25.1	19.0	10.9	2.7		28.8	7440
FEB		.1	5.9	.8	11.3		17.6	14.6	10.4	.4		22.0	6768
MAR		.4	10.2	.3	6.8	.0	17.5	13.4	7.0	.2		17.9	7439
APR		1.0	10.9		1.2		11.9	7.8	4.6			10.9	7199
MAY		1.8	10.1				10.1	12.5	12.9			21.6	7440
JUN		3.1	7.1			.0	7.1	10.5	20.7			25.6	7199
JUL		2.2	5.5				5.5	15.3	30.8			37.8	7440
AUG		2.7	6.1			.0	6.1	19.7	33.3		.0	42.9	7428
SEP		.9	6.1				6.1	10.3	20.4			29.7	7200
OCT		.4	9.9		.1		9.9	14.6	9.8			21.1	7440
NOV		.1	11.7	.0	4.0		15.4	15.6	10.3			22.2	7200
DEC		.1	11.8	.6	10.1		21.8	13.2	7.4	.3		18.7	7435
TOTALS		1.1	8.7	.3	4.1	.0	12.8	14.4	14.0	.3	.1	24.0	87628

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

17840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

49-79
YEARS

ALL
MONTH

PERCENTAGE OF DAY, WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN.	DAILY	2.2	35.2	7.1	4.1	.1	66.6	48.4	61.4	7.8		75.9	930
FEB		2.1	34.5	5.1	4.3	.2	61.3	46.5	62.7	3.9		71.4	847
MAR		7.7	46.0	1.4	2.4	1.2	62.9	43.3	57.5	2.6		66.6	930
APR		14.7	54.5	.2	5.0	1.6	58.2	39.9	47.3		.2	59.7	900
MAY		20.6	51.3		.1	1.0	50.8	42.7	52.3			61.2	930
JUN		25.1	44.5			1.2	44.6	45.7	64.9			69.4	900
JUL		26.6	44.7			.2	44.3	54.0	68.0			73.0	930
AUG		21.7	41.2			.4	41.2	63.1	76.7			83.4	930
SEP		11.9	37.8			.1	37.8	58.1	68.0			72.9	900
OCT		5.5	36.6		1.7	.2	37.1	51.2	61.4			69.8	930
NOV		3.1	40.5	.2	23.0		53.2	45.1	59.1	1.1		68.1	900
DEC		1.5	40.0	4.7	39.2		64.1	44.7	58.7	3.5		72.0	930
TOTALS		11.9	42.2	1.6	15.5	.5	51.8	48.6	61.4	1.6	.0	70.2	10957

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

1 DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13840

WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	06-10	11-23	26-30	31-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	32.8	25.1	3.8	11.4	6.0	8.2	6.5	5.0	1.0	.3				42.1	928	3.15	8.79	.82
FEB	38.3	21.5	4.5	10.9	5.2	8.4	5.9	4.4	.9	.1				40.3	847	2.50	5.23	.26
MAR	36.1	22.3	3.1	9.6	6.7	9.5	6.7	4.5	1.4	.2				41.6	930	3.31	9.99	.93
APR	41.4	16.9	3.8	8.7	4.8	8.1	8.0	5.7	2.6					41.6	898	3.69	7.52	.53
MAY	48.0	13.7	3.7	6.7	4.8	9.4	6.2	5.7	1.7	.1				38.3	929	3.17	12.34	1.20
JUN	54.3	12.5	2.3	5.5	3.9	7.0	5.5	5.6	3.2	.2				33.2	897	3.89	9.27	.35
JUL	54.1	12.4	3.5	5.7	4.6	7.1	5.4	4.5	2.5	.2				33.5	930	3.56	7.59	.46
AUG	58.1	11.9	1.6	6.2	4.3	6.8	4.0	4.5	2.5	.1				30.1	928	3.25	10.18	.21
SEP	62.0	10.2	1.9	5.0	3.3	5.3	5.3	5.0	1.9					27.8	899	2.75	5.46	.15
OCT	62.1	10.5	2.5	5.7	4.6	5.7	4.4	3.4	.9	.1				27.3	929	2.19	5.33	.14
NOV	45.6	17.6	3.3	8.8	5.0	7.4	5.0	5.7	1.4	.2				36.9	900	2.99	5.98	.80
DEC	35.1	25.5	5.1	7.9	7.1	6.9	7.1	4.0	1.3					39.3	928	2.79	5.50	.75
ANNUAL	47.3	16.7	3.3	7.7	5.0	7.5	5.8	4.8	1.8	.1				36.0	10943	37.24		

1210 WS- FORM
JUL 64 0-15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH

45-79

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									1.30	.74	.39	.74	
50	1.47	1.25	.97	1.48	.70	.98	.91	1.77	1.10	2.15	1.58	1.47	2.15
51	2.59	1.25	.94	.74	1.05	1.46	.18	.30	.84	1.13	1.15	.77	2.59
52	2.77	.64	1.73	1.06	1.03	1.90	.43	.49	1.62	.73	.61	1.12	2.77
53	1.02	1.14	.74	.46	.35	.81	.50	1.4	.50	.29	.46	.53	1.54
54	.72	.52	.84	1.17	.76	2.10	.57	.97	.57	1.10	.30	.76	2.10
55	.44	.82	1.04	.49	.71	.98	1.40	1.07	2.08	1.22	2.86	.34	2.86
56	.81	.66	1.28	.73	1.13	1.07	.47	.91	1.05	.74	3.26	.92	3.26
57	.56	1.48	.31	1.47	1.19	.92	.73	.26	.94	.64	.91	1.10	1.48
58	1.01	.47	.53	.87	1.33	1.84	1.49	1.81	.64	.41	.70	1.41	1.84
59	3.83	.73	1.06	.98	.76	.30	1.47	3.36	.79	.61	.79	.73	3.83
60	.50	.52	.55	.30	1.40	.90	2.15	.60	.56	.46	.35	.72	2.15
61	.32	1.63	.90	.86	.78	1.64	.29	2.26	1.12	.34	1.24	.75	2.26
62	.79	.76	.66	.14	.91	.12	1.16	.60	.41	.66	.83	.58	1.16
63	.41	.20	2.46	1.66	.55	1.20	1.14	1.34	.12	.06	.26	.31	2.46
64	* .47	.59	3.44	1.84	.76	1.75	.99	.15	.90	.17	.60*	1.06	3.44
65	* 1.11	1.98	.83	1.10	.73	.55	.80	.43	2.13	1.33	.57	.29	2.13
66	1.23	1.08	.42	1.05	1.12	.84	2.33	1.15	1.05	.69	1.17	1.03	2.33
67	.35	.94	1.10	1.96	1.15	.51	1.84	.12	.73	.59	1.12	1.00	1.96
68	.94	.18	1.43*	.85*	3.87*	1.40	2.59*	1.74*	1.51*	.52	1.11*	.75	* 3.87
69	.83	.72	1.33	1.06	1.04	3.16	1.82	2.16	1.07	.58	1.05	.97	3.16
70	.69	.69	.88*	1.90	.86	2.70	.76	.74	.92	.73	.84	.73	2.70
71	.74	1.16	.76	.45	1.30	1.79	1.84	.47	1.62	.78	.55	1.70	1.84
72	.54	.39	.63	1.17	1.97	1.50	.82	.96	1.13	.83	1.33	.69	1.97
73	.63	.39	1.23	.61	.57	1.63	1.69	.86	.47	1.39	1.03	.72	1.69
74	.60	.97	.78	1.04	1.17	2.07	.15	1.67	.86	.51	1.13	.69	2.07
75	.74	2.55	1.33	1.27	.57	.95	3.66	.91	1.68	1.33	.48	1.10	3.66
76	.72	.84	.62	.94	.83	1.41	1.48	1.54	.86	.42	.54	.23	1.54
77	.38	.43	.96	1.59	.92	.57	1.14	1.55	.79	3.77	.81	.88	3.77
78	1.41	.27	.58	.95	.89	1.04	1.66	1.66	.19	.90	.88	1.55	1.66
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(FROM DAILY OBSERVATIONS)

49-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (CLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

13940 RIGHT-PATTERSON AFB OH
STATION STATION NAME

49-79
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									4.56	2.16	.91	3.34	
50	8.79	5.23	2.65	5.07	2.47	3.98	2.79	5.18	3.17	2.69	5.98	3.23	51.23
51	5.82	3.15	3.96	3.55	3.08	3.96	.46	1.11	2.36	2.18	3.99	3.48	37.10
52	5.73	2.31	4.33	4.05	3.10	4.69	1.10	1.90	3.72	.95	1.86	3.03	36.77
53	3.29	2.05	1.91	2.05	1.52	1.34	1.79	1.90	.73	.52	.87	1.64	19.61
54	2.25	1.52	1.58	4.55	2.16	5.09	1.79	4.33	1.44	5.28	1.60	2.63	34.22
55	1.73	4.19	3.75	2.40	2.41	4.69	3.69	1.26	5.46	3.59	5.77	.76	39.69
56	1.86	3.81	3.41	2.28	3.90	2.47	2.11	2.27	1.72	1.23	4.70	3.33	33.09
57	1.68	2.16	.93	6.55	5.63	3.08	2.00	.67	3.03	1.44	3.38	5.35	35.99
58	3.17	1.22	1.64	3.22	3.88	6.73	7.09	3.51	3.95	1.10	3.26	1.92	40.69
59	7.59	2.65	3.58	2.26	2.48	.68	3.51	3.82	1.08	1.87	2.48	2.28	34.28
60	2.48	2.26	1.65	.88	4.42	3.05	3.48	2.20	.79	1.99	1.59	1.96	26.75
61	.88	2.82	4.27	3.49	2.11	3.58	1.38	2.69	2.14	.85	2.78	2.60	29.59
62	3.00	3.36	2.54	.53	3.63	.35	4.84	2.03	1.68	1.89	2.77	.88	27.50
63	1.13	.68	6.51	4.11	1.49	2.68	3.50	5.30	.15	.14	.80	1.03	27.52
64	* 1.79	1.94	9.99	7.52	1.69	4.40	3.70	.50	1.70	.46	2.16*	3.46	*39.31
65	* 3.13	4.62	2.88	4.76	1.20	1.72	2.26	1.92	5.27	3.83	1.35	1.09	*34.03
66	3.50	3.51	1.37	3.62	3.53	2.63	5.71	4.26	3.88	1.41	4.15	3.02	40.54
67	.82	3.08	4.43	5.16	7.48	2.22	2.41	.21	2.03	2.26	4.21	3.30	37.61
68	1.97	.24	3.06*	2.38*	12.34*	3.88	3.97*	4.42*	4.50*	1.17	4.99*	3.57	*46.51
69	3.80	1.26	2.30	3.59	3.61	9.27	6.19	2.97	1.94	1.28	3.35	2.45	42.01
70	1.81	1.08	3.21*	6.59	3.41	5.24	3.44	1.78	2.61	2.90	2.31	2.77	*37.15
71	1.88	4.51	2.24	1.12	4.25	4.13	3.90	1.05	4.87	2.44	2.44	5.50	38.33
72	1.55	1.27	3.02	5.65	4.53	2.96	1.80	3.35	4.75	2.52	5.57	3.14	40.11
73	1.86	1.43	5.58	3.99	2.95	7.01	7.44	2.53	1.25	3.79	4.98	2.63	45.44
74	2.88	2.41	3.21	3.55	3.55	4.87	.58	10.18	5.06	1.19	3.75	3.30	44.53
75	3.72	4.80	4.57	5.38	2.11	3.35	7.32	5.16	4.03	3.11	2.20	3.44	49.19
76	3.24	2.30	3.04	1.98	2.82	7.46	3.55	3.05	2.85	1.87	.87	.88	33.91
77	1.84	1.57	3.53	3.50	1.88	1.71	3.47	3.45	3.13	5.33	2.60	4.13	36.14
78	6.35	.50	2.68	4.05	3.44	3.29	4.00	6.91	.43	3.24	1.95	4.93	41.77
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 64

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

13840	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

49-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-28-5 (OLA)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13840

WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	54.1	24.4	8.3	8.0	1.9	1.5	.6	.9	.2					21.4	929	7.9	34.1	TRACE
FEB	57.3	24.2	8.1	5.9	2.1	.8	.9	.5	.1					18.5	847	5.6	15.5	TRACE
MAR	70.8	16.7	5.2	3.9	1.9	.1	.4	.9	.2					12.6	930	5.0	15.9	TRACE
APR	90.6	7.1	1.6	.2	.3	.2								2.3	900	.6	6.1	.0
MAY	99.8	.2													930	TRACE	TRACE	.0
JUN	99.7	.3													900	TRACE	TRACE	.0
JUL	100.0														930	.0	.0	.0
AUG	100.0														930	.0	.0	.0
SEP	100.0														900	.0	.0	.0
OCT	98.3	1.5		.2										.2	930	.1	1.0	.0
NOV	77.3	14.8	3.7	2.1	1.1		.3	.3	.3					7.9	900	3.2	17.3	TRACE
DEC	60.6	24.5	6.4	5.2	1.6	.9	.3	.4		.1				14.9	929	5.1	18.6	TRACE
ANNUAL	84.0	9.5	2.8	2.1	.7	.3	.2	.2	.1	.0				6.5	10955	27.5		

1210 WS FORM JUL 64 0-15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									.0	.0	TRACE	TRACE	
50	TRACE	1.9	.2	TRACE	.0	.0	.0	.0	.0	.0	8.4	3.1	8.4
51	4.4	8.2	5.5	TRACE	.0	.0	.0	.0	.0	1.0	.4	2.8	8.2
52	.3	1.4	.6	TRACE	.0	.0	.0	.0	.0	TRACE	3.5	2.0	3.5
53	1.0	TRACE	3.4	2.8	.0	.0	.0	.0	.0	.0	1.7	5.2	5.2
54	2.0	2.9	1.4	TRACE	TRACE	.0	.0	.0	.0	TRACE	1.3	1.8	2.9
55	.9	1.5	2.1	.0	.0	.0	.0	.0	.0	.0	6.0	1.2	6.0
56	8.2	.2	3.3	TRACE	.0	.0	.0	.0	.0	.0	1.0	.5	8.2
57	2.5	1.4	TRACE	2.1	.0	.0	.0	.0	.0	1.0	.5	4.6	4.6
58	2.7	4.2	4.6	.1	.0	.0	.0	.0	.0	.0	7.0	13.9	13.9
59	6.2	.6	7.3	.3	.0	.0	.0	.0	.0	.0	4.3	3.2	7.3
60	.7	2.3	5.5	TRACE	.0	.0	.0	.0	.0	.0	1.5	6.3	6.3
61	3.2	1.9	.7	.3	.0	.0	.0	.0	.0	.0	.4	3.7	3.7
62	3.0	4.5	1.9	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.2	4.5
63	1.1	2.0	4.6	TRACE	.0	.0	.0	.0	.0	.0	.5	2.8	4.6
64	* 4.0	4.2	.3	TRACE	.0	.0	.0	.0	.0	.0	.5	.6	4.2
65	6.4	2.3	1.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	6.4
66	4.6	4.8	1.3	.3	TRACE	.0	.0	.0	.0	.0	4.4	2.8	4.8
67	1.7	5.0	4.5	.0	.0	.0	.0	.0	.0	TRACE	5.2	2.5	5.2
68	2.8	1.5	8.9	TRACE	.0	.0	.0	.0	.0	.0	.3*	.7	8.9
69	.5	.1	.1	TRACE	.0	TRACE	.0	.0	.0	.0	.3	3.2	3.2
70	2.5	1.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	2.0	.5	2.5
71	1.0	3.9	5.9	TRACE	.0	.0	.0	.0	.0	.0	1.5	.3	5.9
72	1.2	3.9	1.5	1.2	.0	.0	.0	.0	.0	TRACE	.7	3.6	3.9
73	.7	2.7	1.7	2.5	.0	.0	.0	.0	.0	.0	TRACE	3.5	3.5
74	2.2	3.0	2.0	2.0	.0	TRACE	.0	.0	.0	TRACE	8.5	2.3	8.5
75	4.0	1.7	4.7	.1	.0	.0	.0	.0	.0	.0	1.9	1.0	4.7
76	6.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	2.3	1.3	6.0
77	3.8	4.3	.7	.1	.0	.0	.0	.0	.0	TRACE	2.0	2.4	4.3
78	7.0	2.7	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.7	7.0
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

USAF ETAC FORM 0-88-5 (OL₄)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

49-79
YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									.0	.0	TRACE	TRACE	
50	TRACE	3.9	.2	TRACE	.0	.0	.0	.0	.0	.0	17.3	19.0	31.4
51	11.3	8.5	7.8	TRACE	.0	.0	.0	.0	.0	1.0	.4	3.4	32.4
52	.3	3.5	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	3.7	4.6	13.1
53	3.2	TRACE	4.7	2.8	.0	.0	.0	.0	.0	.0	1.8	5.6	18.1
54	4.1	6.6	2.5	TRACE	TRACE	.0	.0	.0	.0	TRACE	1.5	4.1	18.8
55	3.7	3.6	4.8	.0	.0	.0	.0	.0	.0	.0	10.5	2.4	25.0
56	15.3	.2	5.7	TRACE	.0	.0	.0	.0	.0	.0	2.0	1.0	24.2
57	7.9	2.4	TRACE	2.2	.0	.0	.0	.0	.0	1.0	.5	6.7	20.7
58	7.9	6.9	8.2	.1	.0	.0	.0	.0	.0	.0	7.0	18.6	48.7
59	16.3	1.6	15.9	.3	.0	.0	.0	.0	.0	.0	4.6	6.1	44.8
60	1.7	7.9	14.9	TRACE	.0	.0	.0	.0	.0	.0	2.0	15.6	42.1
61	6.5	6.8	.7	.3	.0	.0	.0	.0	.0	.0	.4	5.3	20.0
62	4.7	10.9	5.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.7	23.5
63	3.4	6.1	5.1	TRACE	.0	.0	.0	.0	.0	.0	.8	7.4	22.8
64	* 7.6	15.5	.9	TRACE	.0	.0	.0	.0	.0	.0	1.2	1.9	* 27.1
65	13.3	5.2	4.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	24.5
66	6.4	7.2	2.0	.7	TRACE	.0	.0	.0	.0	.0	9.2	5.7	31.2
67	4.5	14.1	7.0	.0	.0	.0	.0	.0	.0	TRACE	6.0	3.3	34.9
68	5.8	1.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	.6	1.4	* 22.3
69	.7	.1	.2	TRACE	.0	TRACE	.0	.0	.0	.0	.5	7.4	8.9
70	10.0	1.8	7.4	TRACE	.0	.0	.0	.0	.0	.0	3.0	.6	23.9
71	5.2	9.1	11.8	TRACE	.0	.0	.0	.0	.0	.0	3.7	.3	30.1
72	3.9	7.1	1.8	1.4	.0	.0	.0	.0	.0	TRACE	2.0	5.1	21.3
73	1.6	3.8	1.7	6.1	.0	.0	.0	.0	.0	.0	TRACE	9.8	23.0
74	2.9	4.8	2.7	2.2	.0	TRACE	.0	.0	.0	TRACE	8.0	6.1	27.2
75	4.7	3.3	11.6	.1	.0	.0	.0	.0	.0	.0	2.8	3.5	26.0
76	10.5	.3	.6	.0	.0	.0	.0	.0	.0	.0	3.1	4.0	18.5
77	18.9	7.7	.7	.2	.0	.0	.0	.0	.0	TRACE	2.1	3.6	33.2
78	34.1	5.0	7.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9	47.0
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-85-5 (OLA)

1

(FROM DAILY OBSERVATIONS)

49-79

YEARS



1
2
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14

USAF ETAC FORM 0-88-5 (OLA)

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

49-79
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-05	.06-10	11-25	.26-50	.51-100	1.01-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.4	14.4	9.0	7.4	6.9	4.9	4.7	1.2						34.2	930			
FEB	59.7	13.2	8.1	5.1	4.7	5.8	3.1	.2						27.0	847			
MAR	82.4	7.7	3.9	1.7	1.4	2.4	.5							9.9	930			
APR	98.3	1.6		.1										.1	900			
MAY	100.0														930			
JUN	100.0														900			
JUL	100.0														930			
AUG	100.0														930			
SEP	100.0														900			
OCT	99.9	.1													930			
NOV	90.7	5.9	1.6	.6	.2	.4	.3	.3						3.4	900			
DEC	66.3	10.7	10.5	4.3	4.0	3.7	.5							23.0	929			
ANNUAL	87.4	4.5	2.8	1.6	1.4	1.4	.8	.1						8.1	10956			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

138411 WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									0	0	0	0	
50	TRACE	2	TRACE	0	0	0	0	0	0	0	16	0	16
51	6	12	2	TRACE	0	0	0	0	0	0	TRACE	9	12
52	3	3	1	0	0	0	0	0	0	0	3	4	4
53	2	TRACE	3	TRACE	0	0	0	0	0	0	1	1	3
54	2	1	3	TRACE	0	0	0	0	0	0	1	1	3
55	2	2	1	0	0	0	0	0	0	0	4	3	4
56	8	TRACE	4	TRACE	0	0	0	0	0	0	TRACE	1	8
57	3	1	0	TRACE	0	0	0	0	0	0	TRACE	4	4
58	2	4	5	0	0	0	0	0	0	0	7	6	7
59	3	1	6	0	0	0	0	0	0	0	1	3	6
60	TRACE	2	7	TRACE	0	0	0	0	0	0	1	7	7
61	4	4	TRACE	TRACE	0	0	0	0	0	0	TRACE	3	4
62	3	5	4	0	0	0	0	0	0	0	TRACE	0	5
63	3	4	6	0	0	0	0	0	0	0	0	6	6
64	10	3	1	0	0	0	0	0	0	0	0*	1	10
65	9	3	1	0	0	0	0	0	0	0	0	1	9
66	5	8	1	0	0	0	0	0	0	0	6	2	8
67	2	5	6	0	0	0	0	0	0	0	1	2	6
68	8	0	11	0	0	0	0	0	0	0	0	1	11
69	1	1	1	0	0	0	0	0	0	0	TRACE	6	6
70	6	1	2	0	0	0	0	0	0	0	1	1	6
71	1	5	2	0	0	0	0	0	0	0	1	TRACE	5
72	2	4	1	TRACE	0	0	0	0	0	0	TRACE	3	4
73	1	1	2	2	0	0	0	0	0	0	0	5	5
74	4	3	3	TRACE	0	0	0	0	0	0	3	3	4
75	2	1	3	0	0	0	0	0	0	0	TRACE	1	3
76	3	1	TRACE	0	0	0	0	0	0	0	1	1	3
77	11	11	1	0	0	0	0	0	0	0	2	4	11
78	18	17	7	0	0	0	0	0	0	0	0	TRACE	18
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

(FROM DAILY OBSERVATIONS)

13840	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

49-79

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

C
PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
49									NNW 54	NNW 39	NNW 43	51	
50	NNW 50	SSW 35	WSW 50	54	SSW 39	66	SSW 56	N 20	NNW 43	NW 42	WSW 56	42	W 66
51	NNW 53	SSE 40	WSW 51	42	NW 62	NNW 52	43	NNW 49	WSW 45	WSW 46	SSE 58	WSW 56	NW 62
52	WSW 58	W 65	WSW 56	46	SW 46	NNW 31	47	NNW 62	NW 45	NNW 47	S 49	NNW 37	W 65
53	NNW 43	WSW 48	50	WSW 57	NNE 68	45	NW 39	WSW 48	NNW 29	NW 33	WSW 38	SW 52	NNE 68
54	WSW 41	SW 38	58	SW 42	NNW 44	WSW 52	NNW 54	NW 50	NNW 57	NNW 42	W 39	WSW 39	W 58
55	N 36	NNW 30	70	SW 48	50	W 31	ESE 38	N 35	WSW 47	NW 44	W 49	WSW 41	W 70
56	N 33	NNW 85	WSW 61	SW 47	NW 43	SE 41	N 41	SW 38	SW 39	NNW 36	WSW 50	SW 43	NNW 85
57	WSW 35	W 31	S 36	WSW 40	SW 37	NNW 35	NW 31	SSW 28	WSW 33	S 32	SW 43	SSE 34	SW 43
58	WSW 29	SW 33	NE 27	NNW 52	W 38	NW 45	SW 47	WSW 42	SW 31	SW 32	NW 34	W 24	NNW 52
59	SW 39	SSW 45	S 50	SSW 40	SSE 30	W 30	W 33	WSW 39	S 25	SSW 33	SSW 36	W 28	S 50
60	WSW 32	SW 35	SW 38	W 43	SW 42	SSW 33	NNW 34	NW 38	SSE 24	WSW 29	W 33	NNE 27	W 43
61	SW 29	NW 40	NNW 39	NNW 41	SW 33	SW 31	W 28	W 26	NNW 36	WSW 18	WSW 32	W 22	NNW 41
62	SSW 34	NNW 38	E 35	NNW 38	S 44	NW 30	W 32	SSW 25	N 22	NW 33	NW 35	W 35	S 44
63	WSW 27	WSW 40	W 42	W 46	W 33	NW 23	SSW 33	NNW 34	NW 26	SW 28	S 33	SSW 34	W 46
64	NNW 41	W 28	W 42	WSW 38	NNW 31	W 44	NNW 27	SW 37	SW 30	SSW 34	SW 42	W 27	W 44
65	W 43	N 32	W 36	N 41	SW 40	ESE 41	W 34	W 46	SSE 33	W 50	NNW 49	WSW 36	W 50
66	NNW 29	N 32	W 38	NNW 42	NNW 32	NNE 37	NNE 44	S 52	W 33	S 30	N 39	W 36	S 52
67	SW 35	W 56	NNW 39	W 41	NNW 43	W 25	NNE 30	W 26	N 28	W 41	NNW 32	W 33	W 56
68	NNW 33	NNW 35	WSW 34	NNW 35	NW 35	WSW 36	25/ 29	24/ 32	25/ 22	31/ 32	23/ 48	25/ 46	23/ 48
69	26	39	26/ 32	21/ 50	31/ 40	22/ 50	28/ 46	34/ 39	36/ 36	32/ 26	27/ 31	24/ 41	26/ 32
70	27/ 39	21/ 40	24/ 48	27/ 57	28/ 57	22/ 36	28/ 50	26/ 31	26/ 53	29/ 34	26/ 42	27/ 53	27/ 57
71	28/ 57	28/ 52	27/ 46	22/ 35	20/ 49	6/ 35	24/ 33	33/ 26	24/ 28	27/ 27	31/ 36	24/ 50	28/ 57
72	28/ 44	24/ 40	22/ 45	27/ 48	18/ 32	34/ 28	22/ 44	33/ 41	33/ 27	26/ 28	22/ 31	22/ 39	27/ 48
73	24/ 41	27/ 38	21/ 41	19/ 41	21/ 36	22/ 45	30/ 33	33/ 45	22/ 30	30/ 35	24/ 40	32/ 44	32/ 45
74	21/ 64	24/ 48	22/ 40	24/ 48	29/ 40	22/ 48	28/ 36	5/ 36	23/ 44	23/ 33	27/ 36	26/ 31	21/ 64
75	23/ 50	27/ 47	24/ 51	25/ 49	27/ 26	34/ 42	24/ 38	34/ 29	26/ 46	2/ 35	27/ 40	25/ 36	24/ 51
76	26/ 43	21/ 38	26/ 42	23/ 31	23/ 37	24/ 38	26/ 56	32/ 31	35/ 30	26/ 34	22/ 33	29/ 38	26/ 56
77	25/ 46	23/ 42	27/ 41	27/ 42	34/ 28	30/ 45	28/ 45	18/ 27	22/ 42	30/ 28	26/ 33	25/ 40	25/ 46
78	27/ 58	29/ 27	24/ 33	27/ 35	21/ 31	30/ 41	33/ 42	24/ 38	20/ 35	31/ 32	19/ 42	21/ 41	27/ 58
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.5	1.9	.8	.2							5.7	7.1
NNE	.6	.2	.3	.5								1.7	7.6
NE	1.1	.9	.5									2.5	4.7
ENE	1.2	.4	.2	.3								2.2	5.0
E	1.1	1.9	1.1	.1								4.2	5.4
ESE	.4	.6	.4									1.5	5.0
SE	.4	1.0	1.1	.3	.3							3.1	3.1
SSE	1.5	1.2	.4									3.1	3.9
S	1.3	2.0	2.5	1.2		.2						7.2	7.5
SSW	.9	2.5	1.5	1.1	.3	.1						6.4	7.6
SW	1.2	2.2	1.1	1.4	.1	.3	.1					6.4	8.5
WSW	1.4	2.2	2.6	3.3	.4	.2	.1					10.1	9.8
W	.6	4.0	4.6	4.1	2.0	.1	.1					15.6	10.2
WNW	.9	2.2	2.6	1.0	.3							7.2	8.4
NW	.2	.4	1.5	.8	.1							3.0	9.0
NNW	.1	.9	1.4	.5								2.9	8.1
VARBL													
CALM												17.2	
	14.1	24.0	23.8	15.4	4.2	1.0	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH 60-70, 73-79 JAN
STATION STATION NAME YEARS MONTH
0300-0500
HOURS (L & T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	1.6	.8								5.3	6.7
NNE	.4	.5	.6	.6								2.4	7.5
NE	1.1	1.3	.6									3.1	4.6
ENE	.5	1.0	.2	.3								2.0	6.0
E	1.0	1.3	.5	.4								3.2	5.5
ESE	.4	1.1	.6	.2								2.4	6.2
SE	1.6	.5	.4	.4								3.0	5.2
SSE	1.6	1.0	.5	.1								3.2	4.3
S	1.3	2.4	2.0	.8								6.5	6.4
SSW	.5	1.8	3.3	1.0	.4	.2						7.3	8.8
SW	1.1	1.6	1.2	2.2	.3							6.3	8.5
WSW	1.0	1.6	2.9	1.3	.6	.1						7.5	8.9
W	1.1	3.1	5.4	5.6	1.2	.4	.1	.3				17.2	10.9
WNW	1.0	1.3	3.1	1.3	.5							7.2	8.6
NW	.4	1.4	1.3	.5								3.7	6.9
NNW	.3	.2	.4	.2								1.2	6.9
VARBL													
CALM												18.5	
	14.2	22.2	25.2	15.7	3.1	.8	.1	.3				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1384L STATION RIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS JAN MONTH
ALL WEATHER CLASS 1600-0000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.4	.6								3.9	7.3
NNE	1.3	1.3	.9	.2								3.7	5.1
NE	.9	.5	1.1	.4								2.9	6.7
ENE	.9	.8	.7	.4								2.3	5.4
E	1.0	1.5	.4	.1								3.0	4.8
ESE	.9	.9	.9	.3								2.9	6.0
SE	2.0	.3	.6	.1								3.1	4.1
SSE	1.5	2.5	.6	.3								4.9	4.8
S	1.9	3.7	.5	.6								6.8	5.2
SSW	1.2	2.5	2.0	1.7	.2							7.6	7.5
SW	1.7	1.4	1.2	2.8	.5	.3	.1					5.1	9.8
WSW	1.1	.9	2.7	2.0	.2	.1		.1				7.1	9.7
W	1.4	2.3	5.2	5.3	1.4	.5		.2				16.2	10.8
WNW	.3	1.6	2.7	1.6	.4	.1						6.8	9.2
NW	.6	1.6	1.3	.4	.1							4.1	6.8
NNW	.5	.9	.8	.4								2.6	6.7
VARBL													
CALM												14.1	
	18.0	25.4	22.5	17.6	2.9	1.1	.1	.3				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12940 STATION WRIGHT-PATTERSON AFB OH 68-70, 73-79 334
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	1.2	1.0								3.9	7.8
NNE	.3	1.2	1.0	.2								2.7	6.3
NE	1.7	1.1	1.4	.9								4.3	7.1
ENE	.8	.5	.4	.1								1.6	5.4
E	.9	1.3	.9	.4								3.4	5.8
ESE	.8	1.0	1.0	.2								2.9	6.3
SE	.4	1.3	.5	.1								2.4	5.4
SSE	.8	2.3	.8	.4								4.2	5.8
S	1.5	3.8	2.4	.6	.5							8.6	6.5
SSW	.8	3.1	2.5	2.4	.5							9.2	8.6
SW	.9	1.3	2.3	1.9	.2	.4	.1					7.1	9.9
WSW	.4	1.0	2.4	5.2	.5	.1		.3				9.9	12.1
W	.5	2.6	5.4	6.3	1.7	.4						17.0	11.2
WNW		.6	2.3	2.2	.2	.1						5.4	10.8
NW	.5	.5	2.0	1.1	.2							4.4	8.9
NNW	.9	.4	.4	.5								2.3	6.7
VARBL													
CALM												10.5	
	11.1	22.9	26.7	23.5	3.9	1.1	.1	.3				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 STATION 13840 FLIGHT-PATTERSON AFB OH 68-13, 73-79 YEARS JAN MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	1.5	1.3								4.7	7.9
NNE	.1	.4	.5	.3								1.4	7.9
NE	.0	1.2	1.5	.5								3.8	7.1
ENE	.1	.3	1.2	.4								2.0	6.5
E	1.1	1.7	1.0	.6								4.4	6.0
ESE	.6	.6	.4	.3								2.0	6.0
SE	.4	1.6	1.0	.1	.1							3.2	6.4
SSE	.6	1.1	1.5	.2	.1							3.5	6.7
S	1.0	2.0	3.8	1.0	.5							8.3	8.0
SSW	.5	1.0	3.8	2.2	.0							8.3	10.5
SW	.1	.3	2.4	3.0	.9	.3						8.0	11.6
WSW		2.0	2.6	4.2	1.5	.1	.3					10.8	12.0
W	.4	2.0	4.9	8.8	3.2	.9	.1					20.3	12.6
WNW	.4	1.1	1.4	3.2	.5	.3						7.0	11.4
NW		.9	1.6	1.2	.3							3.9	10.1
NNW	.6	1.1	2.2	.8								4.6	7.8
VARBL													
CALM												3.8	
	7.5	19.4	31.2	28.2	8.1	1.5	.4					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13940 WRIGHT-PATTERSON AFB OH 68-70, 73-79 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L S T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	2.2	.9								5.2	7.6
NNE	.5	.4	.4	.5								1.9	7.5
NE	.8	.3	1.7	.1								2.9	6.9
ENE	.5	.6	1.4	.4								3.0	7.3
E	.9	1.6	1.3	.1								3.9	5.8
ESE	.5	1.0	1.4	.1								3.0	6.4
SE	.6	1.5	.9	.6	.2							3.9	7.1
SSE	.5	1.2	1.5	.4								3.7	7.3
S	.6	1.9	3.2	1.2								7.3	8.0
SSW	.1	1.6	4.0	1.7	.4	.1						8.0	9.6
SW	.2	.8	2.0	2.8	.9	.4						7.1	12.0
WSW	.5	1.7	2.6	3.1	1.3	.2	.3					9.8	11.5
W	.6	1.9	5.4	9.0	2.9	.5	.1					20.5	12.1
WNW	.2	.9	2.3	3.2	1.0	.4						8.0	12.0
NW	.4	.8	2.2	.9	.2							4.4	8.9
NNW	.4	.9	2.0	1.1								4.4	8.1
VARBL													
CALM												3.4	
	8.3	18.6	34.4	26.2	6.9	1.7	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 JAN
STATION STATION NAME YEARS MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.7	.8	.1							5.3	7.2
NNE	.2	1.0	.5	.3								2.0	6.9
NE	.5	.8	1.0	.3								2.6	6.3
ENE	.5	1.0	1.0	.3								2.8	6.6
E	1.5	1.9	1.3									4.7	4.8
ESE	1.1	1.7	.5	.2								3.5	4.9
SE	1.0	1.1	1.4	.5								4.0	6.2
SSE	.5	1.7	1.3	.4								4.0	6.6
S	.5	4.0	2.4	1.3								8.2	7.2
SSW	.5	2.7	2.2	.6	.2	.1						6.3	7.5
SW	.8	1.6	1.2	1.9								5.5	8.1
WSW	.6	1.1	1.9	1.9	1.0	.2	.2					7.0	11.4
W	1.3	3.0	6.8	5.6	1.8	.5	.1					23.0	10.3
WNW	.6	2.0	1.7	1.9	1.0	.2						7.5	10.1
NW	.1	1.3	.8	.8	.1							3.0	8.4
NNW	.4	1.4	2.3	.3								4.4	7.2
VARBL													
CALM												9.1	
	11.4	28.7	27.8	17.3	4.2	1.1	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13P40 WRIGHT-PATTERSON AFB OH 69-70, 73-79 JAN

STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.5	1.7	.5	.2							4.7	7.3
NNE	.4	.4		.3	.1							1.3	8.1
NE	.4	.6	.4	.4								1.9	7.3
ENE	1.2	1.0	1.3	.3								3.8	5.8
E	1.2	1.5	.5	.1								3.3	4.8
ESE	.4	1.6	.4	.2	.1							2.8	5.5
SE	1.3	.9	.6	.1		.1						3.0	5.7
SSE	.6	1.0	1.4	.6								3.7	7.1
S	1.6	3.4	2.0	1.9	.1							9.1	7.4
SSW	.2	1.6	2.6	.5	.4							5.4	8.5
SW	1.1	1.5	1.8	1.5	.3	.3						6.6	8.9
WSW	1.0	1.4	2.0	2.0	.9							7.3	9.7
W	1.8	3.5	4.5	4.7	1.6	.4	.1					16.8	10.0
WNW	.9	1.3	1.7	2.8	.4	.1						7.2	9.9
NW	.5	1.1	1.2	.9	.5							4.2	9.1
NNW	.4	1.3	1.1	.2								3.0	6.7
VARBL													
CALM												15.9	
	13.9	23.7	23.4	17.3	4.7	1.0	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13640 RIGHT-PATTERSON AFB OH 68-70, 73-79 JAN
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
ALL MONTH
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	1.7	.8	.1							4.3	7.3
NNE	.5	.7	.6	.4	.3							2.1	6.9
NE	.9	.6	1.0	.3								3.0	6.3
ENE	.7	.7	.7	.3								2.5	6.3
E	1.1	1.6	.9	.2								3.8	5.4
ESE	.6	1.1	.7	.2	.7							2.6	5.8
SE	1.0	1.0	.8	.3	.1	.0						3.2	6.1
SSE	1.0	1.5	1.0	.3	.0							3.8	5.8
S	1.2	2.9	2.4	1.1	.1	.0						7.7	7.0
SSW	.6	2.1	2.7	1.4	.4	.1						7.3	8.7
SW	.9	1.5	1.6	2.2	.4	.3	.1					6.9	9.8
WSW	.7	1.5	2.5	2.9	.3	.1	.1	.1				8.7	10.8
W	1.0	2.9	5.3	6.2	2.0	.5	.1	.1				18.0	11.1
WNW	.5	1.4	2.2	2.2	.6	.2						7.0	10.1
NW	.4	1.0	1.5	.8	.2							3.8	8.5
NNW	.5	.9	1.3	.5								3.2	7.4
VARBL													
CAIM												11.6	
	12.3	22.9	26.9	20.2	4.7	1.1	.2	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

0000-0200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	2.0	1.1	.1							5.9	7.4
NNE	.4	.9	1.3	.6								3.1	7.6
NE	.8	1.0	1.3	.8								4.5	6.8
ENE	.2	1.1	.7	.2								7.0	5.5
E	.7	1.2	1.1	.2								3.2	5.7
ESE	.5	.6	.1	.1								1.3	4.4
SE	.8	.4	.4	.1								1.7	5.3
SSE	.5	.6	.5	.9								2.5	5.1
S	.8	2.2	1.1	.6	.1							4.3	6.6
SSW	.9	1.5	2.1	.8								5.4	6.9
SW	.6	1.2	.7	2.0	.2							4.7	9.3
WSW	.4	1.4	2.5	2.4	.7							6.9	9.4
W	.7	2.0	4.6	2.5	.4	.1						10.3	9.0
WNW	.7	1.9	2.2	2.8	.1							7.8	9.1
NW	.6	1.2	2.6	1.2	.1							5.7	8.0
NNW	1.1	1.2	1.4	1.1								4.7	7.4
VARBL													
CALM												24.6	
	11.7	20.2	24.6	17.5	1.3	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13640 STATION WRIGHT-PATTERSON AFB OH 68-73, 73-79 YEARS FEB MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.5	1.2	.6							6.4	7.8
NNE	1.4	.7	1.9	.1	.1							4.3	6.0
NE	.5	2.4	1.1	.5	.1							3.5	7.2
ENE	1.3	.5	.8	.1								2.7	5.0
E	.2	.9	1.4	.4								3.7	6.3
ESE	.8	.6	.7	.1								2.2	5.4
SE	.5	.2	.1									.8	3.6
SSE	1.1	1.2	1.5	.5								4.3	6.7
S	.5	1.2	1.1	.6	.4	.1						4.3	7.9
SSW	.5	2.4	2.4	.9								6.1	7.4
SW	.9	1.7	1.8	1.1	.4	.2						6.0	8.5
WSW	.8	1.3	2.6	1.7	.1							7.0	8.2
W	.5	2.4	4.1	1.4	.1							6.5	8.3
WNW	.5	1.5	1.2	2.1								5.3	8.7
NW	.7	2.7	2.2	1.2	.1							7.0	7.5
NNW	.5	1.2	1.5	.8								4.0	7.2
VARBL													
CALM												23.9	
	13.1	22.1	26.0	12.6	1.9	.4						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19840 STATION WRIGHT-PATTERSON AFB OH 63-10, 73-79 YEARS FEB MONTH 1600-0800 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	2.2	.8	.7							6.7	7.2
NNE	.5	1.1	.3	.2	.2							3.2	6.6
NE	.5	1.5	1.8	.4	.1							4.3	7.1
ENE	.8	.5	.7	.4								2.4	6.0
E	.5	1.2	1.4	.2								3.7	6.5
ESE	.5	.5	.9	.1								2.4	5.9
SE	.6	.6	.4	.1								1.8	5.0
SSE	1.1	1.9	.5	.1								3.9	5.1
S	.9	1.4	1.6	.1								4.4	6.3
SSW	.5	1.8	4.1	1.8	.2	.1						8.4	8.7
SW	.7	1.7	1.4	1.3	.5	.1						5.7	9.0
WSW	.7	1.8	2.2	1.5	.4	.4						7.2	9.0
W	.2	3.3	2.4	2.4	.1							8.4	6.5
WNW	.7	.9	1.8	1.2								4.3	6.6
NW	1.2	1.7	1.3	.8								5.0	6.3
NNW	.8	1.1	1.3	1.5	.1							4.8	8.4
VARBL													
CALM												23.6	
	11.8	23.5	25.5	13.0	1.9	.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13340 STATION WRIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS FEB NORTH
ALL WEATHER CLASS 1900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	3.0	.9	.5							4.5	7.5
NNE	1.1	.5	.4	.5	.1	.0						3.2	7.8
NE	1.1	.4	1.0	.5								3.7	7.3
ENE	.7	.1	1.3	.8								3.0	7.7
E	1.1	2.1	1.0	.9								6.0	6.6
ESE	.5	1.5	1.3									3.8	5.3
SE	.7	.8	.9	.2								2.7	6.0
SSE	.5	1.7	1.2	.1								3.4	6.1
S	1.2	1.3	1.5	1.5	.1	.1						5.8	7.9
SSW	.2	1.4	2.0	3.0	.4							7.0	10.2
SW	.2	.9	1.4	1.7	1.4	.5	.1					6.3	12.7
WSW	.6	1.7	2.4	2.7	.6	.2						6.2	10.3
W	.8	1.4	4.3	3.9	1.1	.5						11.9	10.8
WNW	.7	.7	1.4	2.2	.1							5.2	9.8
NW	.2	1.1	2.0	.8	.4							4.5	8.9
NNW	.5	1.3	1.7	1.2	.1							4.7	8.5
VARBL													
CALM												12.2	
	11.8	19.7	28.8	21.0	4.7	1.5	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13040 WRIGHT-PATTERSON AFB OH 60-70, 73-79 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.4	.6	.4							6.7	7.5
NNE	.5	.7	1.1	.8	.1							2.7	8.7
NE	.1	.7	1.3	.5		.4						3.0	9.0
ENE	.6	1.3	1.2	.7								3.8	7.5
E	.6	1.2	1.0	.6								4.3	7.1
ESE	1.1	1.3	1.7	.7								5.0	6.9
SE	.1	1.1	.8	.4								2.4	7.5
SSE	1.1	1.3	1.3	.1								3.8	5.9
S	.1	1.3	1.2	1.7		.1						4.4	9.7
SSW	.1	1.4	3.2	1.9	1.3							7.9	10.9
SW	.9	1.1	1.3	4.0	.9	.5						3.7	11.8
WSW	.2	.7	2.4	2.8	1.5	1.2						3.9	13.5
W	1.1	1.7	4.0	5.6	1.7	.6	.1					14.7	11.6
WNW	.1	1.4	2.1	2.2	.4	.1						6.4	10.1
NW	.4	1.2	2.7	1.9	.4	.1						6.1	9.8
NNW	.4	2.5	3.0	.7								6.6	7.6
VARBL													
CALM												4.7	
	8.2	20.7	31.7	25.2	6.6	2.8	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1384.1 STATION WRIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS SEP MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.2	2.5	1.2	.5							6.9	8.5
NNE	.1	.5	1.2	1.1	.1							3.0	10.1
NE	.4	.9	2.1	.8								4.3	8.3
ENE	.3	.7	1.1	.8								3.4	7.6
E	.6	2.0	2.8	.5								5.9	7.0
ESE	.6	2.1	1.4	.2								4.4	6.1
SE	.4	.4	1.1	.2								2.0	7.2
SSE	.4	.8	.6	.4								2.1	6.5
S	.5	.7	1.7	1.5	.2							4.6	9.3
SSW	.1	1.9	1.8	2.6	.1	.1						7.3	10.9
SW	.1	.8	1.3	3.2	1.2	.2						6.9	12.9
WSW	.5	1.3	1.4	2.6	1.1		.1					7.0	11.6
W	.5	1.5	3.3	6.7	1.3	1.1	.4					15.1	12.6
WNW	.4	1.4	3.0	4.3	.6							9.6	10.6
NW	.4	2.2	3.7	1.8	.1	.1						5.3	8.7
NNW	.5	1.9	2.8	1.8	.1							7.1	6.5
VARBL													
CALM												2.2	
	6.9	21.5	31.7	29.7	6.0	1.5	.5					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13845 STATION WRIGHT-PATTERSON AFB OH 62-70, 73-79 YEARS FEB MONTH
1500-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.7	2.0	.9	.6	.1						9.2	6.7
NNE	.5	.8	1.9	.6								3.8	7.6
NE	.9	2.0	2.1	.6								5.7	6.8
ENE	1.4	.3	.7	.5								3.4	5.8
E	1.1	1.9	1.1	.2								4.7	5.4
ESE	1.2	1.1	.4									2.6	4.2
SE	.6	.6	.5	.5								2.1	6.7
SSE	.6	1.2	.9									2.7	5.7
S	.4	2.0	2.0	.9								5.3	7.7
SSW	.5	1.2	2.6	1.2	.7							6.1	9.3
SW	.9	1.4	1.3	1.7	.1							5.3	8.2
WSW	.4	1.1	1.4	.8								3.7	7.8
W	1.3	3.9	4.8	5.3	.9	.4	.1					16.8	9.8
WNW	1.2	1.5	2.4	2.4	.1		.1					7.7	8.7
NW	.7	1.8	2.6	1.4	.1							6.6	8.2
NNW	.9	2.2	1.1	1.1								5.3	6.8
VARBL													
CALM												8.9	
	15.0	27.2	27.8	18.1	2.4	.5	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13841 WRIGHT-PATTERSON AFB OH

68-73, 73-79

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	1.9	.6	.1							6.3	6.4
NNE	.7	1.2	1.3	.7								3.9	7.1
NE	.8	2.1	1.8	.9	.1							5.8	7.4
ENE	.9	.5	.9	.4								2.7	6.1
E	.9	1.3	.6									2.8	4.6
ESE	.7	.9	.4									2.0	4.6
SE	.4	.2	.8	.2								1.7	6.9
SSE	1.4	1.1	.4	.4								3.2	4.7
S	.4	1.9	2.2	.4	.2							5.0	7.3
SSW	.7	1.3	.9	1.2	.4							4.5	8.9
SW	.7	.7	2.0	1.3		.2						5.0	8.9
WSW	1.2	.9	1.7	1.4	.1							5.3	7.8
W	.6	3.5	5.7	3.5	.5	.2						14.3	9.5
WNW	.9	.9	1.7	1.5	.2	.1						5.4	9.3
NW	.2	1.9	2.0	1.5	.1							5.8	8.5
NNW	1.9	.7	.6	2.4								5.6	8.1
VARBL													
CALM												21.8	
	14.4	20.9	24.8	16.7	1.8	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17640 WRIGHT-PATTERSON AFB OH 68-70, 73-79 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER ALL

CLASS HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.2	.9	.3	.0						7.1	7.4
NNE	.7	.7	1.3	.6	.1	.0						3.4	7.6
NE	.5	1.3	1.7	.6	.1	.0						4.3	7.4
ENE	.9	.7	.9	.5								3.0	6.5
E	.9	1.5	1.5	.4								4.3	6.3
ESE	.8	1.1	.9	.2								3.0	5.6
SE	.5	.5	.6	.2								1.9	6.3
SSE	.8	1.2	.9	.3								3.2	6.0
S	.7	1.5	1.6	.9	.1	.0						4.8	7.8
SSW	.4	1.6	2.4	1.7	.5	.0						6.6	9.3
SW	.6	1.2	1.4	2.0	.6	.2	.0					6.1	10.4
WSW	.6	1.3	2.1	2.0	.5	.2	.0					6.8	10.0
W	.8	2.5	4.2	3.9	.8	.4	.1					12.5	10.2
WNW	.5	1.3	2.0	2.3	.2	.0	.0					6.5	9.4
NW	.5	1.1	2.3	1.3	.2	.0						5.4	8.5
NNW	.8	1.5	1.7	1.3	.0							5.4	7.9
VARBL													
CALM												15.1	
	11.6	22.0	27.6	19.2	3.3	1.0	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13540 STATION NAME WRIGHT-PATTERSON AFB OH YEARS 68-70, 73-79 MONTH MAR
CLASS ALL WEATHER MONTH 0000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.9	1.9	.9								5.5	6.4
NNE	1.4	2.4	.4	1.0	.1							5.3	6.2
NE	1.2	1.8	1.9	.3	.3							5.6	6.8
ENE	1.2	.9	1.1	.5								3.7	6.6
E	.5	1.3	.9									2.7	5.3
ESE	.8	1.0	.6	.2								2.6	5.6
SE	.6	.9	1.1	.5								3.1	5.7
SSE	1.2	1.8	1.2	1.1								5.3	6.6
S	.2	1.4	.9	1.2	.1							3.8	8.7
SSW	.5	1.8	1.8	1.4	.2							5.8	8.5
SW	.7	1.4	1.5	1.7	.1	.1						5.7	8.8
WSW	.9	.4	1.7	.6								3.7	7.3
W	1.7	1.6	2.6	2.4	.9	.2						8.6	10.0
WNW	.5	1.1	2.8	1.7		.1						6.2	8.8
NW	.6	1.3	2.2	1.2	.2							5.5	8.2
NNW	.8	.4	1.4	.9								3.4	6.0
VARBL													
CALM												23.6	
	14.1	26.3	24.0	15.6	1.9	.4						110.0	5.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0300-0500

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	.9	.6	.1							5.6	5.7
NNE	1.6	1.3	.9	.9	.2							4.7	6.5
NE	1.2	1.0	1.4	1.1	.3							4.9	7.8
ENE	.5	.8	.6	.6								2.6	7.1
E	1.1	1.1	.9	.2								3.2	5.6
ESE	.6	.9	.3	.2								2.0	5.2
SE	1.1	1.4	.4	.1								3.0	4.7
SSE	1.0	1.2	.8	1.2								4.1	7.3
S	1.4	2.2	1.1	1.4								6.0	7.0
SSW	.5	1.8	1.9	2.0		.2						6.6	9.1
SW	.8	1.0	1.8	1.4		.1						5.1	8.5
WSW	.3	1.1	1.2	1.2	.4							4.2	9.4
W	.6	2.0	4.0	1.1	.5	.1						8.4	8.9
WNW	.9	.5	2.6	1.7	.2							5.9	8.9
NW	.2	1.5	1.9	.4	.1							4.2	7.7
NNW	.2	1.1	1.7	.4								4.1	6.5
VARBL													
CALM												25.4	
	14.4	21.0	22.3	14.6	1.9	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1384J WRIGHT-PATTERSON AFB OH 68-76, 73-79 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER 7600-0800

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.1	1.4	.3								6.8	5.1
NNE	1.0	1.5	.6	.8								3.9	6.5
NE	1.0	1.0	1.4	1.4	.5							5.3	9.1
ENE	.4	1.1	.8	.4								2.7	6.8
E	.3	1.1	1.3	.2								3.2	6.2
ESE	.2	1.3	.2		.1							1.8	5.5
SE	.5	1.0	.5		.2							2.3	6.4
SSE	1.7	2.0	1.0	.6								5.4	5.7
S	1.4	1.7	1.8	1.9	.1	.1						7.1	7.9
SSW	.9	2.5	2.8	1.5								7.6	7.9
SW	.8	1.6	1.9	1.1	.2	.2						5.8	8.7
WSW	.8	1.3	1.5	.8	.4							4.7	8.3
W	1.1	1.7	2.5	2.3	.2							8.3	9.2
WNW	.3	1.8	1.6	1.4	.1							5.3	8.5
NW	.6	1.2	.9	.4	.1							3.2	7.3
NNW	.9	1.5	1.2	.4		.1						4.1	6.7
VARBL													
CALM												22.5	
	14.2	25.4	21.4	13.5	2.6	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

7946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	2.5	1.1								6.3	7.2
NNE	.3	1.8	1.7	1.5	.2							5.6	8.6
NE	.4	1.5	.6	1.4	.6	.1						4.7	10.6
ENE	.5	.6	.9	.4								2.5	6.9
E	.6	2.2	1.5	.8								5.1	6.7
ESE	.4	1.2	2.5	.6								4.7	7.5
SE	1.0	1.2	1.5	.6	.2							4.6	7.6
SSE	.4	1.8	1.5	.8	.2							4.8	7.7
S	1.1	3.1	2.8	1.2	.3							8.5	7.5
SSW	.1	1.3	2.3	2.9	.4	.1						7.1	10.6
SW	.2	1.4	1.7	3.5	.9	.2	.1					8.1	11.7
WSW	.1	1.0	2.5	3.3	.3	.1	.1					7.4	11.2
W	.3	1.6	2.6	4.9	1.0	.6						11.1	12.0
WNW	.1	1.0	2.5	1.6	.6							5.9	10.6
NW	.1	.3	1.9	.9	.4	.2						3.9	11.1
NNW	.3	2.3	1.7	.3	.1	.1						4.8	7.4
VARBL													
CAIM												4.8	
	7.0	24.2	31.0	25.9	5.4	1.5	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13240 STATION WRIGHT-PATTERSON AFB OH 68-73, 73-79 YEARS MAR MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	2.5	1.4	.1							6.7	8.0
NNE	.1	.4	1.9	1.0	.4	.1						4.0	10.7
NE	.5	1.4	1.0	1.3	.3	.1						4.6	9.2
ENE	.3	.4	.4	.2								1.4	6.8
E	1.0	1.2	1.8	.8								4.7	6.9
ESE	.4	1.8	1.9	.9								5.1	7.2
SE	.4	.5	1.9	.8								3.7	8.4
SSE	.3	1.6	1.5	.9	.2							4.5	8.2
S	.9	1.0	2.8	.8	.8							6.1	8.8
SSW	.4	1.4	2.6	4.5	.9	.5		.1				10.4	12.0
SW	.1	.8	1.6	3.3	1.7	1.1	.1					8.0	14.1
WSW	.2	.8	2.8	4.1	.9	.1						3.8	11.6
W	.8	1.2	3.9	5.8	2.3	.9	.4					15.2	13.0
WNW	.1	.4	1.9	2.3	1.1	.1						5.8	12.7
NW	.1	1.1	1.8	2.6	.1	.4						6.1	11.1
NNW	.3	.9	1.3	1.1	.2							3.8	9.2
VARBL													
CALM												1.2	
	6.9	16.7	31.7	31.5	8.1	3.3	.5	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOEAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13540	WRIGHT-PATTERSON AFB OH	68-73, 73-79	MAR
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	2.2	1.8	.4							6.3	8.9
NNE	.2	.9	2.3	.9	.3	.2						4.7	10.1
NE	.7	.5	1.1	1.3	.1							3.3	10.1
ENE	.8	.8	1.2	.9								3.2	7.6
E	.9	1.6	1.6	.5								4.6	6.4
ESE	.3	.9	2.0	.3								3.5	7.6
SE	.5	1.3	1.2	.2	.1							3.3	6.8
SSE	.2	1.4	1.3	.4		.1						3.4	7.8
S	.6	1.8	1.9	1.4	.2	.1						6.0	8.6
SSW	.2	1.6	2.4	4.2	1.3	.8	.1					10.5	12.4
SW	.3	.4	1.2	2.9	1.1	.8						6.7	13.9
WSW	.2	1.1	1.2	2.7	.6	.2						6.0	11.8
W	.3	.9	3.2	7.2	1.7	.6	.2					14.2	13.2
WNW	.5	.6	2.3	4.1	1.2	.4						9.1	12.4
NW	.3	1.3	2.3	2.9	.3							7.1	10.2
NNW	.1	1.7	1.4	1.2	.4							4.8	9.1
VARBL													
CALM												2.2	
	6.7	18.3	28.6	32.9	7.8	3.2	.3					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 14940 STATION NAME WRIGHT-PATTERSON AFB OH YEARS 68-70, 73-79 YEAR 1970-71
MO/YR
HOURS (L.S.) 1

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.2	1.8	1.6	.1							8.3	6.7
NNE	1.7	1.1	1.9	1.1		.1						5.2	8.2
NE	.5	1.7	1.1	1.5								4.8	5.5
ENE	.8	1.0	1.1	.5								3.3	6.9
E	.5	2.9	2.0	.4								6.0	6.3
ESE	.6	1.9	1.5	.1	.1							4.3	5.9
SE	.8	1.8	.3	.1								3.0	4.8
SSE	.8	2.6	.6	.9								4.8	6.6
S	.2	2.7	2.2	.9	.1	.1						6.1	9.0
SSW	.4	1.6	2.7	2.4	.9							8.0	10.2
SW	.6	.9	.3	1.5	.3							3.7	9.3
WSW	.2	.5	1.3	1.3	.1	.3						3.8	11.1
W	.6	1.9	3.0	3.0	.6	.3						9.6	10.3
WNW	.4	1.6	3.8	3.9	.6	.3						10.6	10.6
NW	1.5	.5	2.2	2.3	.3							7.4	8.9
NNW	.5	.6	1.4	1.0	.1							3.7	8.7
VARBL													
CALM												7.7	
	11.0	22.6	27.8	22.4	3.3	1.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1064J WRIGHT-PATT RSON AFB 68-70, 73-79 MAP
STATION STATION NAME YEARS MONTH
ALL WEATHER 21 00-23
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.9	1.1	1.2	.1							5.5	7.1
NNE	1.7	2.7	1.7	.8	.7							6.2	7.1
NE	1.0	2.5	2.5	.4	.1							6.0	6.8
ENE	.6	.9	.5	.5								2.9	6.8
E	.6	2.0	1.5	.1								4.3	6.1
ESE	1.1	1.9	1.2	.3								4.5	5.7
SE	.5	1.3	.7	.4								2.6	5.9
SSE	.2	2.3	2.3	.9								5.6	7.1
S	.3	1.4	3.7	.9		.1						5.9	8.5
SSW	.7	1.2	1.7	1.9								5.4	6.9
SW	.9	.8	.6	1.1	.7	.7						3.8	9.2
WSW	.5	.9	1.2	1.3	.1							4.0	6.4
W	.8	1.5	2.6	2.0	.7	.3						7.4	9.2
WNW	.4	2.0	2.0	1.9	.6							7.2	9.6
NW	.9	1.3	3.1	1.3								5.6	8.0
NNW	.4	.3	1.9	1.1								4.2	9.0
VARBL													
CALM												18.0	
	11.3	25.2	26.8	16.1	2.0	.6						120.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13040 STATION WRIGHT-PATTERSON AFB OH 68-72,73-79 YEARS MAR MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	1.8	1.1	.1							6.4	6.9
NNE	.9	1.5	1.3	1.0	.2	.1						4.9	7.9
NE	.2	1.4	1.3	1.1	.3	.1						4.9	8.4
ENE	.6	.8	.9	.5								2.8	6.9
E	.3	1.7	1.4	.4								4.2	6.3
ESE	.6	1.4	1.3	.3	.1							3.6	6.5
SE	.7	1.2	.9	.3	.1							3.2	6.5
SSE	.7	1.9	1.3	.8	.1	.0						4.7	7.1
S	.3	1.9	2.1	1.2	.2	.1						6.2	8.1
SSW	.5	1.7	2.3	2.6	.5	.2	.0	.7				7.7	10.3
SW	.6	1.0	1.4	2.1	.5	.3	.1					5.8	10.9
WSW	.4	.9	1.7	1.9	.4	.1	.1					5.3	10.3
W	.7	1.6	3.0	3.6	1.0	.4	.1					10.3	11.2
WNW	.4	1.1	2.4	2.3	.6	.1						7.0	10.4
NW	.6	1.1	2.1	1.5	.2	.1						5.5	9.1
NNW	.5	1.2	1.5	.8	.1	.0						4.1	8.1
VARBL													
CALM												13.2	
	10.8	22.1	26.7	21.6	4.1	1.4	.1	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15840 WRIGHT-PATTERSON AFB OH 69-70, 73-79 APP MONTH
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	1.3	.8								5.2	6.4
NNE	1.1	1.8	.8	.8								4.3	6.3
NE	1.4	2.2	1.4	.3	.1							5.6	5.6
ENE	.7	.6	.8	.3								2.3	6.6
E	1.4	1.3	1.4	.1								4.3	5.4
ESE	1.1	.7	.4	.1								2.2	4.9
SE	.4	1.0	.9									2.3	6.1
SSE	.6	1.6	1.0	.1								3.2	6.0
S	.4	2.1	2.2	.6	.4							5.2	8.1
SSW	.7	2.3	1.8	.8	.1							5.7	7.2
SW	.8	1.7	1.6	.8	.1							4.9	7.1
WSW	.4	1.4	1.2	1.1	.1	.1						4.4	8.6
W	.3	1.4	1.8	2.3	.3		.1	.1				6.4	10.8
WNW	.1	1.1	1.2	1.3	.1	.1						3.9	9.7
NW	.8	1.2	1.7	1.1	.1		.1					5.0	8.3
NNW	.6	1.1	1.4	.7								3.8	7.1
VARBL													
CALM												30.6	
	11.8	23.4	21.0	1.2	1.4	.2	.2	.1				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13247 STATION WRIGHT-PATTERSON AFB OH 69-71, 73-79 YEARS APR MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	.9	.6	.2							5.6	5.9
NNE	1.2	.8	.6	.6								3.1	5.9
NE	.8	1.4	.8	.1								3.1	5.7
ENE	1.7	1.1	1.7	.3								4.1	5.6
E	.9	1.1	1.2	.3	.1							3.7	6.5
ESE	.6	1.1	.4	.1								2.2	5.3
SE	.3	1.7	.7	.1								2.1	5.8
SSE	1.7	1.1	.8	.1								3.0	5.2
S	.8	1.8	2.3	.7	.1							5.7	7.1
SSW	.9	2.4	2.7	.3		.1						5.8	6.4
SW	.6	1.4	1.6	1.0	.1							4.7	7.8
WSW	.4	.8	1.7	1.7	.1		.1					4.6	9.8
W	.9	.7	2.3	1.6	.2	.2						5.9	9.3
WNW	.6	.8	1.7	1.2		.1						4.3	8.8
NW	1.3	1.2	1.8	.8								5.1	6.7
NNW	1.7	1.4	1.1	.8								4.3	6.8
VARBL													
CALM												32.6	
	14.1	20.9	20.8	10.2	.9	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

17840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 APR
STATION STATION NAME YEARS MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	1.9	1.0								6.0	6.8
NNE	1.3	1.9	1.3	.6								5.1	6.7
NE	1.1	1.2	1.2	.2	.2							4.1	6.8
ENE	.9	.7	1.0	.2								3.7	6.3
E	1.1	1.2	1.0	.2								4.4	6.3
ESE	1.0	1.0	.6	.3								2.9	5.5
SE	1.1	.9	.3	.1	.1							2.6	5.4
SSE	1.1	1.6	1.7	.2								4.6	5.8
S	1.7	2.8	2.2	.8	.1							7.6	6.5
SSW	1.3	1.2	1.8	1.3	.1							5.8	7.6
SW	1.0	1.8	1.7	1.1	.1							5.7	7.3
WSW	.6	.6	1.2	1.6	.1	.1	.1					4.2	10.1
W	.1	1.1	2.9	1.4	.3	.1						6.0	10.1
WNW	.3	.5	2.2	1.1	.6							5.1	9.9
NW	.2	.9	.9	.6								2.6	7.7
NNW	.6	1.4	1.3	.3								4.1	6.8
VARBL													
CALM												25.7	
	14.8	20.9	25.4	11.1	1.8	.2	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13E42 NIGHT-PATTERSON AFB OH 60-70, 73-79 4P7
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.1	1.7	.7							6.1	5.9
NNE	1.2	1.3	1.7	1.3	.1							5.7	7.6
NE	.3	.9	1.3	1.0		.1						3.7	8.8
ENE	.4	1.1	.8	.2								2.6	6.3
E	.4	2.2	2.7	1.0	.1							6.4	7.8
ESE	.9	1.6	1.6	.6								4.6	6.6
SE	.3	.7	.8	.7								2.4	7.6
SSE	.9	2.1	3.3	.8								7.0	7.0
S	.6	3.2	3.9	1.2	.2	.1						9.1	7.8
SSW	.6	1.9	2.7	2.6	.4	.1						8.2	9.7
SW	.3	1.2	2.1	2.7	.4	.1						6.9	10.7
WSW	.6	1.4	2.4	2.0	.6	.2	.2					3.4	11.0
W	.8	1.1	3.2	4.0	.9	.4	.1					10.6	11.4
WNW	.1	.8	1.6	1.8	.3	.1						4.7	10.9
NW	.1	1.6	1.1	1.4	.3	.2						4.8	10.3
NNW	.2	1.2	1.8	1.2		.1						4.6	8.8
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	4.3	
	9.7	22.3	32.0	25.1	3.8	1.6	.3					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

7951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH 69-70, 73-79 APR
STATION STATION NAME YEARS MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	3.7	1.3	.1							6.3	8.0
NNE	.5	1.7	1.7	.8	.2							3.2	8.0
NE	.4	.7	1.4	.8		.1						3.4	8.8
ENE	.5	1.0	.4	.1								3.4	6.0
E	.7	1.2	1.3	1.0								4.6	7.7
ESE	.6	1.6	1.1	.4								3.7	6.8
SE	.4	1.2	.6	.7								2.9	6.6
SSE	.5	1.7	1.7	1.4								4.7	8.3
S	.4	1.9	3.3	2.0	.2	.2						8.1	9.1
SSW	.3	1.7	3.4	3.3	.6	.2						9.9	10.8
SW	.1	.9	1.6	3.2	1.1	.3	.1					7.3	12.9
WSW	.0	1.2	2.7	3.7	1.1	.4						9.7	11.6
W	.1	2.3	1.3	3.8	1.2	1.1	.1					11.2	12.0
WNW	.3	1.1	.6	2.0	.8	.6						5.7	12.2
NW	.2	.9	2.4	2.4	.2	.3						6.5	11.2
NNW	.4	1.6	2.9	2.0	.2							7.1	9.2
VARL													
CALM												1.4	
	8.3	27.4	31.1	29.0	6.1	3.3	.2					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15846 RIGHT-PATTERSON AFB OH 68-70, 73-79 APR
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	3.2	1.6								7.4	8.1
NNE	.1	.8	1.2	.8	.1							3.3	9.6
NE		1.0	.8	1.2								3.0	9.3
ENE	.2	1.4	.9	.3								2.9	6.9
E	.4	1.3	1.4	1.0	.1							4.3	7.9
ESE	.3	1.3	1.3	.3	.1							3.4	7.3
SE	.4	.7	.6	.1								2.0	6.6
SSE	.4	1.9	1.3	.9								4.4	7.5
S	.6	1.9	3.0	2.3	.3							3.1	9.0
SSW	.9	1.2	2.0	4.7	1.4	.2						10.4	11.7
SW	.4	.9	1.8	3.2	1.1	.2	.1					7.8	11.9
WSW	.6	1.4	1.7	2.2	1.0	.2						7.1	10.8
W	.2	2.0	2.3	4.4	1.0	.8	.1					10.9	12.3
WNW	.6	1.4	1.9	2.8	1.2	.9	.1					8.9	12.4
NW	.3	1.0	2.0	3.7	.2							7.2	11.0
NNW	.7	1.0	2.4	2.4	.1							6.7	9.1
VARBL													
CALM												2.0	
	6.9	21.2	28.1	32.0	7.1	2.3	.3					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

15840

WRIGHT-PATTERSON AFB OH

65-70, 73-79

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.0	1.9	1.0	.2							7.6	6.7
NNE	.4	1.4	2.1	.6	.2							4.8	8.0
NE	.4	1.7	1.8	.4								4.3	6.8
ENE	1.0	1.8	1.2	.2								4.2	5.7
E	1.0	2.6	.9	.2								4.7	5.3
ESE	.9	1.2	.8	.2								3.1	5.7
SE	.8	.9	.4	.4								2.6	5.9
SSE	1.0	2.0	1.1	.1								4.2	5.6
S	.9	2.4	3.2	1.1	.1							7.8	7.5
SSW	.7	2.4	2.3	2.2	.6	.1						8.3	9.3
SW	.9	1.3	1.6	2.2	.2							6.2	9.1
WSW	.2	1.9	1.6	1.7	.1							5.3	8.6
W	.6	1.8	3.0	2.7	.4	.2						8.7	9.9
WNW	.4	.9	2.1	2.7	.9	.1						7.1	11.0
NW	.8	2.0	1.9	1.8	.4	.1						7.0	9.0
NNW	.7	2.6	3.0	.8	.2	.1						7.3	7.6
VARBL													
CALM												6.8	
	12.1	29.8	28.9	18.3	3.4	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15840 NIGHT-PATTERSON AFB OH 68-70, 73-79 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	1.1	1.2								5.3	6.9
NNE	1.7	1.6	1.2	.8								5.2	6.3
NE	.2	2.9	2.1	.9								6.1	6.9
ENE	1.9	1.4	1.1	.1								3.7	5.2
E	1.7	1.0	.9	.2								3.7	4.7
ESE	1.0	1.0	.6	.1								2.7	4.6
SE	1.1	1.3	1.1									3.6	5.4
SSE	.4	2.0	1.1									3.6	5.8
S	.7	3.0	2.3	.6	.3							6.9	7.1
SSW	1.1	2.0	1.3	1.1	.2	.1						5.9	7.6
SW	2.8	3.1	.0	.8	.1	.1						7.7	5.4
WSW	.7	1.9	1.7	.4	.1							4.1	6.8
W	.2	1.6	2.0	2.2	.4							6.4	9.8
WNW	1.7	1.2	1.8	1.1	.3	.1						5.6	8.4
NW	.7	.9	2.4	1.0	.1							5.1	8.2
NNW	.1	.4	1.2	1.2	.1							3.1	9.7
VARBL													
CALM												21.4	
	15.0	27.7	22.0	11.8	1.8	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11043 WRIGHT-PATTERSON AFB OH 68-70, 73-79 APP
STATION MONTH
STATION NAME ALL
CLASS ALL
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.9	1.1	.1							6.2	7.3
NNE	1.0	1.3	1.2	.8	.1							4.4	7.2
NE	.6	1.5	1.4	.6	.1	.0						4.2	7.2
ENE	.8	1.1	1.1	.2								3.4	6.0
E	.9	1.5	1.5	.5	.1							4.5	6.6
ESE	.8	1.2	.8	.3	.1							3.1	6.0
SE	.6	1.0	.7	.3	.0							2.6	6.1
SSE	.5	1.6	1.5	.5								4.3	6.6
S	.8	2.4	2.8	1.2	.2	.0						7.4	7.8
SSW	.8	1.9	2.2	2.0	.5	.1						7.5	9.2
SW	.9	1.5	1.6	1.9	.4	.1	.0					6.4	9.2
WSW	.5	1.3	1.7	1.9	.4	.1	.1					6.0	10.1
W	.5	1.5	2.4	2.8	.6	.4	.1	.0				8.3	10.9
WNW	.4	1.0	1.7	1.8	.5	.5	.0					5.7	10.7
NW	.6	1.2	1.8	1.6	.2	.1	.0					5.4	9.3
NNW	.5	1.3	2.0	1.2	.1	.0						5.1	8.2
VARIABLE													
CALM												15.6	
	11.5	23.4	26.3	18.6	3.3	1.1	.2	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13940 STATION NAME WRIGHT-PATTERSON AFB OH YEARS 68-70, 73-79 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	1.1	.6								5.4	5.5
NNE	1.3	1.4	.1	.2								3.0	4.2
NE	2.4	1.5	.5	.1								4.5	3.9
ENE	1.3	1.2	.3	.1								2.9	4.2
E	.9	1.3	.1									2.3	3.9
ESE	1.0	1.0	.6									2.6	4.7
SE	.5	.4	.9									1.8	5.4
SSE	1.2	1.6	.5	.2								3.5	4.8
S	2.2	3.7	1.0	.6	.1							7.5	5.3
SSW	2.7	3.1	1.3	.2	.1							7.4	4.8
SW	1.8	1.7	.9	.9								5.3	5.9
WSW	1.0	1.7	.8	.1								3.5	5.0
W	1.3	2.3	1.4	.3								5.7	5.7
WNW	.4	.5	.6	.4	.1							2.2	7.7
NW	.8	.6	.6	.1								2.2	5.6
NNW	1.2	1.3	1.3	.4								4.2	5.9
VARBL													
CALM												36.5	
	21.3	25.5	12.0	4.4	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13c4C

RIGHT-PATTERSON AFB OH

68-73-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	1.2	.6	.1							6.9	5.7
NNE	1.4	.8	.2	.1								2.6	3.8
NE	2.5	.6										7.1	2.7
ENE	1.2	.5	.2									1.9	3.6
E	1.5	1.3	.6									3.4	4.4
ESE	.7	1.0	.6									1.9	5.4
SE	.9	1.3	.3									2.5	4.3
SSE	1.5	.9	.3	.1								2.9	4.0
S	2.3	1.7	.8	.3	.1							5.2	5.0
SSW	1.8	2.7	1.7	.6		.1						7.6	6.1
SW	1.6	2.4	1.7	.4								6.1	5.9
WSW	1.7	1.6	1.6	.2								5.2	5.3
W	.3	2.0	.8	.2								3.3	6.0
WNW	1.1	.6	.5	.6								2.9	6.2
NW	.9	.6	.5	.1								2.2	5.1
NNW	.9	1.2	.5									2.6	5.0
VARBL													
CALM												40.3	
	22.4	21.8	11.7	3.4	.2	.1						170.0	3.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13340 STATION WRIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS MAY NORTH
ALL WEATHER CL/SS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.4	2.3	.9								7.7	6.2
NNE	1.2	1.2	.3									2.7	3.9
NE	1.9	1.4	1.0	.2								4.5	4.7
ENE	1.4	1.4	.4									3.2	4.1
E	1.0	2.0	.6	.1								3.6	5.2
ESE	.4	1.3	.6	.1								2.6	5.9
SE	.8	1.2	1.0	.2								3.1	6.0
SSE	1.9	1.2	.6									3.8	4.1
S	1.7	4.0	1.1	.3								7.1	5.1
SSW	2.8	2.6	2.3	1.1	.1							8.8	6.3
SW	1.6	2.0	1.5	1.1								6.2	6.5
WSW	1.5	2.0	1.9	.1								5.6	5.7
W	.6	2.4	1.5	.8								5.3	6.9
WNW	.5	.6	.8	.2								2.2	6.4
NW	1.2	1.0	.6	.4								3.2	5.7
NNW	.6	1.1	1.2	.1								3.0	5.9
VARIABLE													
CALM												27.2	
	21.5	27.7	17.8	5.6	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1.340 NIGHT-PATTERSON AFB OH 68-73, 73-79
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAY
MONTH
9-10-1100
HOURS (L.P.T.)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	3.8	1.2	.7							7.7	7.9
NNE	.6	1.4	.9	.5								3.7	6.3
NE	.4	.6	.9	.1								2.3	5.8
ENE	1.1	1.3	.8	.3								3.4	5.4
E	1.2	2.7	1.6	.8								6.2	6.1
ESE	.8	2.3	1.2	.6	.1							4.9	6.7
SE	.4	1.7	1.2									2.9	5.6
SSE	.5	1.5	1.5	.2								5.4	6.1
S	.8	2.4	2.9	.5	.1							6.5	7.2
SSW	.5	1.7	3.2	2.0	.3							8.0	8.9
SW	.6	1.6	3.9	2.6	.5	.7						9.6	9.9
WSW	.8	3.7	4.6	1.8	.3							10.5	8.3
W	1.1	2.5	3.4	2.5	.1							9.7	8.3
WNW	.6	1.1	1.9	1.0	.1							4.1	8.1
NW	.5	1.7	1.8	.6	.1							4.9	.
NNW	1.5	3.2	1.3	.5								.6	6.6
VARBL													
CALM												4.1	
	13.2	29.4	34.8	15.6	2.2	.2						1.1	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATE/CLIMATE PRACTICE
USAFETAC
AIR WEATHER VICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-4-1 STATION AIRPORT-PATTERSON AFB OH STATION NAME SP-7, 73-75 YEARS DAY MONTH 12:0-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	2.4	1.0	.7							6.8	7.9
NNE	.8	2.4	.9	.4								4.4	6.1
NE		.9	1.1	.1								1.7	7.2
ENE	.9	1.2	.5	.1								2.6	5.3
E	1.4	1.8	.6	.8								4.0	6.1
ESE	.4	1.1	1.3	.2								3.0	6.5
SE	.6	1.2	.5	.2								2.8	5.9
SSE	.4	1.3	1.7	.4								3.9	7.1
S	.5	2.1	3.1	.3	.2							6.2	7.6
SSW	1.1	1.3	4.0	4.1	.6	.2						11.2	10.4
SW	.6	1.5	3.7	2.0	.6	.6						10.1	10.8
WSW	1.2	2.8	2.8	2.8	.1							10.6	8.6
W	.5	2.11	4.2	2.9	1.0							11.6	9.5
WNW	.8	1.9	2.4	1.1	.3	.1						6.6	8.1
NW	.3	1.7	1.9	1.0	.1							5.1	8.1
NNW	1.0	2.4	2.3	.4	.1							6.1	6.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	2.7	
	11.4	20.5	23.2	10.8	3.4	1.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1940 STATION WRIGHT-PATTERSON AFB OH 66-70, 73-79 YEARS MAY MONTH
1960-1960 HOURS (L & T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.5	2.5	1.1								6.5	6.9
NNE	1.3	.4	1.7	.6								4.1	6.7
NE	.9	.9	1.2									2.3	5.6
ENE	1.3	1.4	1.2									3.7	4.9
E	1.2	2.0	.6	.6								4.3	6.2
ESE	.5	1.0	1.2	.1								2.9	6.2
SE	.4	.4	1.2	.2								2.3	7.3
SSE	.3	1.3	1.4	.3								3.3	7.0
S	.9	1.5	2.2	1.3								5.8	7.7
SSW	.4	1.6	3.4	3.1	.3	.5						9.9	10.6
SW	.3	1.8	2.6	3.0	.3	.2						9.6	10.8
WSW	.4	1.3	3.9	2.9	.1							9.6	9.5
W	1.2	3.1	3.8	3.1	.6	.2	.1					17.2	9.3
WNW	1.7	1.4	2.0	2.7	.6							3.6	9.4
NW	.3	1.2	1.8	1.4	.1							6.2	7.9
NNW	1.1	1.5	1.7	1.7	.1							6.1	8.2
VARBL													
CALM												3.5	
	12.5	24.1	32.6	23.1	3.1	1.0	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13042 STATION FLIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS MAY
1810-2000
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.3	1.7	.8								2.2	5.5
NNE	.9	.4	1.8	.6								3.8	7.1
NE	1.2		1.0	.1								3.7	5.3
ENE	.9	1.7	.3	.1								3.0	4.5
E	1.7	1.9	.5									4.1	4.4
ESE	1.6	.9	.5	.1								3.1	4.3
SE	.9	1.0	.9	.2								2.9	6.0
SSE	1.2	1.4	.6	.2								3.4	4.9
S	.3	3.5	2.5	.5								7.3	6.4
SSW	1.4	2.8	3.8	1.8	.1							9.9	7.5
SW	1.6	2.8	1.9	1.4	.2	.1						8.1	7.4
WSW	1.1	2.7	2.5	.9		.1						7.2	7.3
W	1.6	2.9	2.5	1.3	.2							8.5	7.0
WNW	1.2	1.8	1.4	1.4								5.8	7.2
NW	.4	1.0	2.4	1.0	.3							5.1	8.7
NNW	1.3	2.3	2.9	1.2	.1							7.5	7.5
VARBL													
CALM												8.5	
	19.9	31.6	27.2	11.6	1.7	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1440 WRIGHT-PATTERSON AFB OH 68-70, 73-79 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2197-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.7	.3	.4								4.8	4.6
NNE	1.8	1.1	.5	.2								3.7	4.7
NE	1.2	2.2	1.1	.2								4.6	5.4
ENE	.8	.8	1.1	.1								2.6	5.6
E	1.0	1.6	.3	.2								3.1	5.0
ESE	.5	.8	.3									1.8	4.7
SE	1.0	1.6	.6									3.2	4.5
SSE	1.1	1.5	1.1	.2								3.9	5.6
S	1.4	2.6	1.7	.3								6.0	5.7
SSW	1.7	4.3	1.8	.8								8.6	5.8
SW	3.3	2.9	.9	.5								7.6	4.4
WSW	1.6	1.5	1.2	.1								4.4	4.8
W	1.9	2.3	1.0	.1		.1						5.4	4.9
WNW	.6	1.7	1.4	.9								4.6	7.1
NW	.4	1.2	.9	.1								2.6	6.1
NNW	1.0	1.2	2.2	.2								4.5	6.5
VARBL													
CALM												23.5	
	21.7	28.8	16.5	4.4		.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13843
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	1.8	.8	.1							6.7	6.3
NNE	1.2	1.1	.8	.3								3.5	5.6
NE	1.3	1.2	.8	.1								3.4	4.9
ENE	1.1	1.2	.6	.1								2.9	4.7
E	1.2	1.8	.6	.3								4.0	5.3
ESE	.7	1.1	.8	.1	.0							2.8	5.7
SE	.7	1.0	.8	.1								2.7	5.6
SSE	1.0	1.3	1.0	.2								3.6	5.5
S	1.3	2.7	1.9	.6	.1							6.5	6.2
SSW	1.6	2.7	2.7	1.7	.3	.1						8.8	7.8
SW	1.5	2.7	2.1	1.7	.3	.1						7.8	8.1
WSW	1.2	2.7	2.4	1.2	.1	.0						7.0	7.4
W	1.1	2.6	2.3	1.4	.3	.0	.0					7.6	7.8
WNW	.8	1.2	1.5	1.0	.1	.0						4.7	7.9
NW	.7	1.2	1.3	.6	.1							3.9	7.3
NNW	1.1	1.7	1.7	.6	.0							5.1	6.7
VARBL													
CALM												19.0	
	18.0	27.2	23.2	11.0	1.3	.3	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13940 WRIGHT-PATTERSON AFB OH 68-70, 73-79 JUN

STATION STATION NAME YEARS MONTH

CLASS L WEATHER 0000-0200

CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.6	.7	.2								3.7	5.1
NNE	.7	1.1	.9	.3								3.0	6.4
NE	1.2	1.8	.4	.4								3.9	5.3
ENE	1.7	.9	.3									2.9	3.5
E	1.1	.3	.3	.1								1.9	4.3
ESE	.6	.9										1.4	3.5
SE	.9	.3	.6	.1								1.9	5.2
SSE	1.9	1.3	1.0									4.2	4.3
S	3.4	2.0	1.6	.1								8.0	4.5
SSW	4.4	4.9	1.7	.4	.1							11.6	4.8
SW	3.2	3.0	2.4	.2								8.9	5.0
WSW	1.3	1.6	1.0	.3								4.2	5.4
W	.9	.9	.7	.3								2.8	6.1
WNW	.7	1.0	.6	.1	.1							2.4	5.8
NW	.1	.3	.2	.2								.9	7.5
NNW	.3	.6	.3	.1			.1					1.0	6.5
VARBL													
CALM												36.4	
	24.1	23.4	12.7	7.1	.2		.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

370-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.0	.6									2.9	4.0
NNE	2.1	.4	.9	.3								4.1	4.9
NE	1.3	.7	.8									3.0	4.7
ENE	1.4	.3	.1									2.3	3.6
E	.9	.4	.1									1.4	3.5
ESE	1.6	.6	.1									2.2	3.1
SE	1.4	.3	.4									2.2	3.8
SSE	1.7	1.2	.4									3.3	3.8
S	2.3	2.2	1.0	.6								6.1	5.0
SSW	2.1	5.2	2.1									10.4	4.7
SW	2.4	3.0	2.3	.7								8.4	5.5
WSW	.7	1.7	1.7	.1								4.1	6.0
W	.6	1.0	.7	.2								2.4	6.0
WNW	.7	.4		.1								1.2	4.0
NW	.1	1.1	.1	.1								1.4	6.3
NNW	.3	1.1	.4	.2								2.1	6.5
VARBL													
CALM												42.1	
	22.1	21.7	11.8	2.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 JUN
STATION STATION NAME YEARS MONTH
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.2	1.0	.1								4.2	4.9
NNE	1.7	1.2	1.0	.3								4.4	5.3
NE	1.3	2.1	1.6	.1								5.1	5.4
ENE	.8	.7	.3									1.9	4.4
E	.6	.9	.4									2.2	4.3
ESE	.7	.8	.1									1.6	4.0
SE	.7	.4	.4									1.6	4.3
SSE	1.4	2.7	.8									4.9	4.6
S	2.8	3.6	1.7	.6								8.6	5.1
SSW	3.1	4.8	2.4	1.0	.1							11.4	5.8
SW	1.9	2.6	2.3	1.2								8.0	6.8
WSW	.7	2.9	2.6	.8								6.9	7.0
W	.6	1.4	1.3	.7								4.0	6.9
WNW	.6	.7	.6	.2								2.0	6.2
NW	.7	.7	.6	.3								2.2	8.0
NNW	.9	.8	.3									2.3	5.2
VARBL													
CALM												28.7	
	20.7	27.3	17.9	5.3	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17941 WRIGHT-PATTERSON AFB OH 68-70, 73-79 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-1100
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 31	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	1.9	1.7	.1							5.8	7.3
NNE	.4	1.3	1.2	.4								3.4	6.9
NE	.8	.8	1.4	.3								3.3	6.9
ENE	.0	1.3	1.6									3.9	6.3
E	.4	1.2	1.3	.2								3.2	6.8
ESE	.4	1.3	.3	.2								2.3	5.5
SE	.6	.9	.7	.2								2.3	5.9
SSE	.8	1.6	.7	.3								3.3	5.6
S	.9	2.7	3.1	.8	.2							7.7	7.4
SSW	1.4	2.2	4.4	2.6								10.7	8.1
SW	.4	2.4	4.2	3.2	.5							10.7	9.1
WSW	1.9	3.2	7.2	3.3	.1							15.8	8.4
W	1.4	2.9	3.3	2.6								10.2	8.1
WNW	.4	1.3	1.7	.7								4.1	7.4
NW	.2	1.1	1.3	.7								3.3	7.7
NNW	.8	2.0	1.6	.3	.1							4.8	6.6
VARBL													
CALM												5.1	
	12.8	28.1	36.2	16.9	.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13243 PIGHT-PATTERSON AFB OH 68-70, 73-79 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ	MEAN WIND SPEED
N	.3	2.3	3.1	.9								6.7	7.7
NNE	.7	1.7	1.7	1.1								5.1	7.5
NE	.2	.1	1.6	.3								1.7	8.7
ENE	.2	1.3	1.8	.1								3.4	7.1
E	.6	.7	.9	.4								2.6	6.9
ESE	.3	.8	.7									1.8	5.8
SE		.6	.8		.1							1.4	7.8
SSE	.6	.9	.7	.1								2.2	5.6
S	.6	3.1	3.1	2.1	.3							9.1	8.4
SSW	.1	2.1	4.1	3.2	.4	.1						10.1	9.9
SW	.2	1.4	4.1	3.6	.8							10.1	10.4
WSW	.4	1.9	4.9	3.6	.9							11.3	10.2
W	.8	2.9	5.9	4.3	.6							14.4	9.5
WNW	.6	1.8	2.7	1.3	.2							6.6	8.1
NW	.4	1.7	1.4	1.0	.1							4.7	7.9
NNW	.3	1.3	2.1	1.1								4.9	7.9
VARBL													
CALM												2.0	
	6.7	24.6	38.8	23.6	3.4	.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1324J STATION 1818T-PATTERSON -B OH 69-73, 73-79 YEARS JUN MONTH
1510-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.1	2.9	1.4								8.6	7.4
NNE	.9	1.3	2.6	.8	.1							6.1	7.1
NE	.3	1.4	1.3	.4								3.6	7.2
ENE	.1	.9	.6	.1								1.7	6.1
E	.6	.8	1.2	.2								2.1	6.9
ESE	.7	.4	.4									1.6	4.5
SE	.4	.2	.1	.1								.3	5.6
SSE	.6	1.0	.8	.2								2.1	6.0
S	.5	1.7	3.2	2.2								7.7	8.9
SSW	.5	3.1	4.6	4.0	.6	.1						13.1	9.3
SW	.3	1.4	5.2	3.4	.4							10.9	9.9
WSW	.7	2.8	4.6	5.2	.6	.4						14.2	10.1
W	.7	1.3	4.2	2.7	.9	.2						10.6	10.1
WNW	.4	.9	2.4	1.7	.3							5.3	9.5
NW	.6	1.1	1.6	.9	.3							4.4	8.9
NNW	.8	2.2	1.4	.3	.1							4.9	6.5
VARBL													
CALM												1.3	
	9.6	24.1	37.1	23.8	3.3	.8						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13540	RIGHT-PATTERSON F8 OH	64-70, 73-79	JUN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1800-2000
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.6	1.6	.7								7.1	5.8
NNE	.7	1.6	1.8	1.2								5.2	7.6
NE	1.1	2.4	1.1	.1								4.8	5.4
ENE	.8	1.1	.8									2.7	5.1
E	.2	1.1	.1	.1								2.1	4.6
ESE	.3	.8	.1									1.2	4.7
SE	.7	.8	.1	.1								1.7	4.3
SSE	.6	1.4	1.1	.3								3.4	6.3
S	1.7	4.1	3.7	1.2								10.7	6.5
SSW	1.3	4.2	3.0	1.8	.1							11.3	7.2
SW	1.3	3.4	4.1	1.8	.1							10.8	7.6
WSW	1.4	2.4	2.7	1.9	.3							5.8	3.1
W	2.4	3.0	2.6	1.1	.2	.1						9.4	6.7
WNW	.7	1.1	1.1	1.0	.1							4.0	8.0
NW	.2	.7	1.0	.9	.1							3.4	8.2
NNW	1.6	1.6	1.9	.7								5.7	6.6
VARBL													
CALM												7.7	
	17.4	33.3	27.6	12.9	1.0	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13541
STATION

WRIGHT-PATTERSON FB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.C.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	.7	.2	.1							5.6	5.1
NNE	2.0	.9	.9	.1								3.9	4.7
NE	1.3	2.1	1.3	.2								4.7	5.3
ENE	.7	.9	.2									1.8	4.3
E	1.2	1.4	.4	.1								3.2	4.4
ESE	.3	.8	.3									1.9	4.6
SE	.2	.7	.4									1.3	5.4
SSE	1.6	2.6	1.2	.2								5.6	5.0
S	2.7	3.6	3.1	.1	.1							9.1	5.7
SSW	2.8	4.7	1.9	.6								9.9	5.1
SW	5.0	3.2	1.8	.7								10.7	4.7
WSW	1.1	2.0	1.3	.2								4.7	5.7
W	1.1	.7	1.4	.8	.1							4.1	7.5
WNW	.3	.7	.3	.3	.1							1.8	7.4
NW	.2	.9	.2									1.3	5.1
NNW	.4	1.0	.9	.2								2.6	6.6
VARBL													
CALM												28.0	
	22.7	28.9	16.2	3.8	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 AIRIGHT-PATTERSON F8 OH

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	1.5	.6	.1							5.6	5.2
NNE	1.2	1.7	1.4	.6	.1							4.4	6.4
NE	1.3	1.5	1.1	.3								3.8	5.8
ENE	.8	1.0	.7	.0								2.6	5.2
E	.8	.9	.6	.2								2.4	5.4
ESE	.7	.8	.3	.0								1.8	4.5
SE	.6	.5	.4	.1	.1							1.7	5.1
SSE	1.1	1.6	.8	.2								3.7	5.0
S	1.8	3.0	2.5	1.0	.1							8.4	6.5
SSW	2.2	3.9	3.1	1.7	.2	.0						11.1	6.9
SW	1.9	2.6	3.3	1.8	.2							9.8	7.5
WSW	1.1	2.3	3.2	2.0	.2	.1						8.9	8.4
W	1.1	1.8	2.5	1.6	.2	.0						7.2	8.2
WNW	.5	1.0	1.2	.7	.1							3.5	7.7
NW	.4	.9	.8	.5	.1							2.7	7.6
NNW	.7	1.3	1.2	.4	.0		.0					3.6	6.7
VARBL													
CALM												19.0	
	17.0	26.4	24.8	11.5	1.2	.1	.3					110.0	5.6

TOTAL NUMBER OF OBSERVATIONS

7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13847 STATION WRIGHT-PATTERSON FB OH 68-70, 73-79 YEARS JUL NORTH
0000-0200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.6	.3	.1								4.4	3.9
NNE	1.5	.5	.1									2.3	3.0
NE	1.8	.9	.2									2.9	3.3
ENE	1.3	.8	.2									2.3	3.6
E	.9	.1										1.0	2.2
ESE	.4	.1										.5	2.6
SE	.3	.3										.6	3.3
SSE	1.9	.5										2.5	2.6
S	2.5	2.5		.1								5.2	3.8
SSW	4.1	3.3	.4	.1								8.0	3.6
SW	2.4	3.0	.9	.1								6.3	4.4
WSW	2.2	2.0	1.6	.2								6.0	5.1
W	.8	1.2	1.5									3.4	5.7
WNW	.6	.4	.4									1.5	4.8
NW	.2	.5	.1									.9	4.9
NNW	.2	1.1	.3									1.6	4.9
VARBL													
CALM												50.3	
	23.5	19.0	6.1	.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17340 ARIGHT-PATTERSON FB OH 68-70, 71-79 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0300-0500

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	.3									3.7	4.2
NNE	2.6	1.0	.2									3.8	2.9
NE	2.0	.5										2.6	2.6
ENE	.8	.4	.2									1.4	4.2
E	.6	.3										1.0	2.8
ESE	.2	.3										.5	4.0
SE	.5	.1										.6	2.2
SSE	1.6	.6	.1									2.4	3.4
S	4.1	1.4	.1									6.1	3.1
SSW	2.3	2.2	.5									4.9	3.9
SW	2.2	1.9	.3	.2								4.6	4.3
WSW	1.2	1.3	1.8									4.3	5.5
W	1.0	1.8	1.1	.1								4.0	5.1
WNW	.5	1.2	.1	.1								1.9	4.9
NW	.4		.1									.5	3.6
NNW	.2	.9	.4	.1								1.6	5.5
VARBL													
CA'M												56.0	
	21.5	16.6	5.4	.5								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1940 STATION WRIGHT-PATTERSON 58 OH 64-72, 73-79 JUL
STATION NAME YEARS MONTH
ALL WEATHER CLASS 600-0600
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.2	.6	.2								4.3	4.3
NNE	2.1	.6	.1									4.2	3.2
NE	2.1	.4	.4									4.3	3.3
ENE	1.1	.5	.6									2.1	4.4
E	.9	.0	.2									2.0	4.0
ESE	.7	.0	.2									1.7	4.1
SE	.5	.3	.2									1.2	4.1
SSE	.3	.2										3.1	2.6
S	.1	3.0										5.6	5.6
SSW	1.4	2.9										6.5	5.1
SW	1.9	2.4		.5								6.6	5.7
WSW	1.5	1.7		.3								5.1	5.7
W	2.4	1.4	.1	.1								5.2	4.7
WNW	.1	.8										1.6	5.9
W	1.2	1.1	.2									3.0	5.0
WNW	.4	.4										1.8	4.2
V-RBL													
CALM												39.9	
TOTAL	14.9	23.5	2.2	1.4								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13540 RIGHT-PATTERSON FB OH 68-70, 73-75 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.4	.9	.3								5.8	5.0
NNE	1.4	2.2	1.7									4.5	4.8
NE	1.3	1.5	.6									3.4	4.5
ENE	1.1	1.7	.8	.2								3.8	5.5
E	1.9	2.7	.9	.1								5.5	4.5
ESE	1.3	1.4	.5	.1								3.3	4.6
SE	1.0	1.4	.2									2.6	4.0
SSE	.9	1.8	.1									2.8	4.0
S	1.6	2.5	.6	.1								4.9	4.7
SSW	1.4	2.9	2.2	.3								6.8	5.7
SW	1.2	2.6	3.1	1.0	.1							8.0	7.1
WSW	1.2	3.3	4.8	1.2								10.5	7.2
W	2.2	5.1	4.2	1.3	.1							12.8	6.5
WNW	.9	2.0	1.5	.2								4.6	6.1
NW	.6	1.1	.9	.3								2.9	6.3
NNW	1.5	2.3	2.1	.4								6.3	5.8
VARBL													
CALM												11.4	
	21.6	36.8	24.4	5.6	.2							100.0	5.1

TOTAL NUMBER OF OBSERVATION. 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1964 STATION WRIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS JUL MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHERS

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.9	2.7	.4								7.8	6.0
NNE	1.5	1.0	1.3	.1								3.9	5.3
NE	1.0	1.2	1.0	.2								3.3	5.8
ENE	1.2	.9	.9	.1								3.0	5.0
E	2.0	1.4	.3	.1								3.9	3.9
ESE	.3	1.1	1.0	.1								2.5	6.0
SE	.5	1.0	.1	.1								1.7	4.8
SSE	1.1	2.3	.3									3.7	4.4
S	1.4	2.9	2.0									6.3	5.4
SSW	1.1	2.4	1.5	1.0	.1							6.0	6.8
SW	1.0	2.7	2.2	2.4	.1							8.3	7.9
WSW	.6	2.8	5.2	2.8								11.4	8.7
W	.2	4.0	5.4	2.7	.1							13.3	8.0
WNW	1.1	3.1	2.4	1.1	.2							7.8	7.2
NW	.7	1.1	2.0	.2								4.2	6.4
NNW	1.2	3.7	1.8	.9								7.5	6.2
VARBL													
CALM												5.3	
	17.8	34.2	30.0	12.2	.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13840 WRIGHT-PATTERSON FB OH 68-70, 73-79 JUL
STATION STATION NAME YEAR MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.7	4.1	.5								9.8	6.4
NNE	1.6	1.8	1.1	.1								4.6	5.2
NE	1.6	1.9	1.0	.1								4.6	5.0
ENE	1.1	1.8	.6	.3								3.9	5.5
E	1.1	1.5	.6	.1								3.3	5.7
ESE	.3	1.2	.4									1.9	4.8
SE	.5	.5	.6									1.7	5.1
SSE	.8	.8	.9									2.4	5.4
S	1.0	2.9	1.4	.2	.1							6.0	5.9
SSW	.5	2.3	3.5	1.1								7.4	7.5
SW	.5	2.3	1.8	2.6	.3							7.5	9.1
WSW	1.3	2.4	3.9	2.5	.3							10.3	8.5
W	2.3	3.3	5.3	3.5	.1			.1				14.4	8.3
WNW	1.0	1.7	2.2	1.0	.1							5.9	7.4
NW	.5	1.9	1.4	.3		.1						4.3	6.8
NNW	.9	4.0	1.6	.8								7.2	6.2
VARBL													
CALM												4.6	
	16.2	34.0	30.9	13.1	1.0	.1		.1				100.0	6.6

TOTAL NUMBER OF OBSERVATION 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SE VICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1334 STATION KNIGHT-PATTERSON AFB OH 67-70, 73-79 YEARS JUL MONTH
1820-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.9	2.0	.2								3.5	4.8
NNE	1.0	1.9	1.0	.1								4.0	5.1
NE	1.8	2.4	1.3	.2								5.7	5.0
ENE	1.4	1.7	.3	.2								3.7	4.6
E	1.4	1.7	.2	.2								3.5	4.5
ESE	.6	2.0	.2									2.9	4.4
SE	.6	.8	.3									1.7	4.2
SSE	1.2	2.3	.5	.1								4.1	4.2
S	1.3	4.9	1.8									5.1	5.1
SSW	1.7	3.9	2.4	.4								8.4	5.7
SW	2.2	2.4	2.2	1.2								7.8	6.3
WSW	1.5	3.0	3.0	.6	.1							6.3	6.4
W	2.2	3.3	4.0	1.2	.1							11.2	6.6
WNW	1.6	1.4	1.0	.2								4.2	5.3
NW	.2	1.4	.3	.4								2.4	6.6
NNW	1.5	1.9	1.2	.1	.1							4.6	5.4
VARBL													
CALM												9.8	
	23.5	39.4	21.7	5.3	.3							120.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13540 WRIGHT-PATTERSON 8 OH 68-70, 73-79 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	.3									2.5	4.1
NNE	1.6	.5	.4									2.6	3.7
NE	1.7	1.6	.6	.1								4.1	4.3
ENE	1.5	.9										2.4	3.3
E	1.7	.3										2.5	2.7
ESE	1.1	.4										1.5	2.9
SE	.5	.5	.1									1.3	3.7
SSE	1.5	2.0	.3									3.9	3.8
S	2.2	2.9	.5									5.6	4.2
SSW	3.3	4.4	.8									8.5	4.0
SW	3.0	3.2	.9	.3								7.4	4.4
WSW	2.7	3.2	.6	.1								6.0	4.4
W	1.6	1.5	.8	.1								4.0	4.5
WNW	.9	.8	.3	.1								2.0	4.6
NW	.7	.5										1.4	3.2
NNW	.4	1.7	.9									3.0	5.1
VARBL													
CALM												41.0	
	25.1	26.7	6.6	.8								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 NIGHT-PATTERSON AFB OH 08-70, 73-79 JUL
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	1.4	.2								6.1	5.2
NNE	1.7	1.3	.6	.0								3.7	4.3
NE	1.8	1.4	.6	.1								3.0	4.3
ENE	1.2	1.1	.4	.1								2.8	4.7
E	1.3	1.2	.3	.1								2.8	4.0
ESE	.6	.9	.3	.0								1.9	4.5
SE	.6	.5	.2	.0								1.4	4.1
SSE	1.4	1.4	.3	.0								3.1	3.8
S	2.2	2.9	.9	.1	.0							6.1	4.5
SSW	2.0	3.0	1.6	.4	.0							7.1	5.3
SW	1.8	2.6	1.6	1.0	.1							7.1	6.3
WSW	1.4	2.5	2.6	1.0	.1							7.7	6.9
W	1.7	2.8	2.9	1.1	.1			.0				9.5	6.8
WNW	.8	1.4	1.1	.3	.1							3.7	6.3
NW	.6	1.0	.7	.2		.0						2.3	5.9
NNW	.5	2.1	1.0	.3	.0							4.2	5.7
VARBL													
CALM												27.3	
	21.8	29.7	16.9	4.9	.3	.0		.0				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17041 RIGHT-PATTERSON AFB OH 08-70, 73-79 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 0000-0200
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.7	.6									7.9	3.5
NNE	3.3	1.7	.1									5.2	3.1
NE	2.2	.3	.2									2.7	2.8
ENE	1.4	.2										1.6	2.3
E	.6			.3								1.0	5.6
ESE	.3											.3	2.0
SE	1.0	.4	.2									1.6	3.6
SSE	1.3	.6	.3									2.3	3.8
S	2.7	2.2	.3									5.2	3.9
SSW	3.1	2.7	.5									6.4	3.7
SW	1.9	1.7	.5									4.2	4.0
WSW	1.2	1.2	.6	.1								3.1	4.7
W	.8	.9	.9	.2								2.7	6.0
WNW	.5	.1	.2	.1								1.0	5.6
NW	.1											.1	1.0
NNW	.3	.6	.8									1.7	6.0
VARBL													
CALM												53.2	
	21.0	15.7	5.4	.8								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 STATION RIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS AUG MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 57	%	MEAN WIND SPEED
N	4.4	2.6	1.1									8.1	3.8
NNE	3.3	.9	.1									4.3	2.8
NE	2.4	.3	.1									3.2	2.8
ENE	.8	.1										.9	2.5
E	.5	.1	.2	.1								1.0	4.9
ESE	.5	.1										.6	2.3
SE	.6	.4	.1									1.2	3.3
SSE	1.9	1.1	.1	.1								3.2	3.4
S	3.3	2.2	.1									6.0	3.0
SSW	3.7	1.8	.1									5.5	3.0
SW	2.2	1.9	.4									4.5	4.0
WSW	1.1	1.1	.8	.1								2.9	5.1
W	1.1	.6	.5	.3								2.0	5.4
WNW	.5	.2										.8	2.7
NW	.4	.3	.1									.9	3.9
NNW	.4	1.0	.2									1.6	4.5
VARBL													
CALM												52.6	
	27.7	15.1	4.0	.6								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13340 STATION AIRIGHT-PATTERSON AFB OH 68-75, 73-79 YEARS AUG MONTH
0600-0600 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	2.9	1.1	.1								7.5	4.2
NNE	3.4	1.7	.1	.1								5.4	3.4
NE	2.7	.9	.4									4.0	3.0
ENE	1.1	.3										1.3	2.7
E	.4	.3	.2	.2								1.2	6.2
ESE	1.1	.1	.1									1.2	3.1
SE	.5	.2	.2									1.1	4.1
SSE	2.6	1.1	.3									4.9	3.3
S	3.4	3.4	.5									7.4	3.7
SSW	2.0	3.3	1.7									7.1	4.8
SW	1.9	2.3	1.2	.2	.1							5.7	5.3
WSW	1.7	1.7	1.0	.1								4.5	4.8
W	.4	1.1	.5									2.3	5.1
WNW	.3	.3	.2									.9	4.6
NW	.2	.5										.8	3.7
NNW	1.1	.8										1.8	3.3
VARBL													
CALM												44.2	
	26.3	21.0	7.6	.8	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 STATION WRIGHT-PATTERSON AFB OH 65-70, 73-79 YEARS AUG MONTH
1900-1100 HOURS (L.S.T.)

ALL WEATHERS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.2	1.2									6.0	4.7
NNE	2.5	1.6	1.1	.2								5.4	4.5
NE	1.3	1.9	1.4									4.6	5.2
ENE	2.2	2.0	1.3									5.5	4.5
E	1.7	1.4	.6	.6								4.4	5.5
ESE	1.1	1.2	.5	.1								2.9	5.0
SE	.9	.6	.1									1.5	3.6
SSE	1.7	.9	.6									3.2	4.3
S	1.9	1.1	1.6	.2								6.8	5.0
SSW	1.9	2.7	3.5	1.1								9.2	6.5
SW	1.4	2.4	3.2	1.3								8.3	7.0
WSW	2.9	4.2	2.9	2.0	.1							12.2	6.6
W	1.3	3.5	2.9	.9	.1							6.7	6.6
WNW	1.4	1.3	.5	.1								3.3	4.6
NW	1.3	.5	.6									2.5	4.4
NNW	1.8	1.2	.2	.1								3.3	3.8
VARBL													
CALM												12.2	
	27.0	31.5	22.5	6.7	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13640 NIGHT-PATTERSON AFB OH 69-70, 73-79 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.2	1.1	.3								7.4	5.2
NNE	2.0	3.2	1.6	.4								7.3	5.1
NE	.9	1.8	1.2									3.9	5.3
ENE	.8	1.5	1.1									3.3	5.6
E	1.4	1.5	1.2	.6								4.7	6.1
ESE	1.2	1.4	.4									3.0	4.3
SE	.8	.6	.6	.1								2.2	5.1
SSE	.5	.8	.8	.1								2.2	5.8
S	1.2	2.5	1.1	.2								4.9	5.4
SSW	1.0	3.5	3.5	1.1								9.1	6.9
SW	.8	2.3	4.3	2.2								9.5	8.4
WSW	.9	2.9	3.8	2.4	.4							10.3	8.7
W	1.8	5.1	5.1	2.5								14.4	7.2
WNW	.9	2.7	1.3	.2								5.1	5.7
NW	.8	.6	1.0	.2								2.6	6.0
NNW	1.1	3.2	1.4	.2								5.7	5.4
VARBL													
CALM												4.4	
	17.0	37.6	29.4	10.5	.4							110.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14840 STATION RIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS AUG MONTH
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	5.3	2.7	.2								17.2	5.6
NNE	2.2	4.1	2.6	.2								9.0	5.5
NE	.5	2.0	1.1	.1								3.8	5.6
ENE	1.0	1.0	.5									3.4	4.3
E	.8	1.9	.9	.4	.1							4.1	6.4
ESE	1.1	1.1	.3	.2								2.5	4.9
SE	.5	.2	.4	.1								1.8	5.6
SSE	1.1	1.0	.5									2.6	4.6
S	1.6	1.6	2.6	.4								6.2	6.5
SSW	.8	2.4	5.0	1.2								9.3	7.7
SW	.9	1.8	3.1	2.0								7.9	8.2
WSW	1.4	3.3	3.9	1.6	.1		.1					10.4	7.6
W	1.3	3.7	5.1	1.4								11.9	7.0
WNW	.9	1.4	.9	.2	.2							3.6	6.3
NW	.8	1.8	1.1	.6								4.3	6.3
NNW	1.0	2.8	1.8	.3								5.9	6.0
VARBL													
CALM												2.9	
	18.1	36.9	32.4	9.1	.4		.1					111.0	6.3

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	3.9	1.3	.2								10.8	4.1
NNE	2.7	3.2	1.2	.2								6.7	4.9
NE	1.5	2.9	.6	.1								5.2	4.6
ENE	1.4	.9	.2	.2	.1							2.8	4.8
E	1.9	1.3	.5									3.7	3.8
ESE	2.3	.4	.1	.1								2.9	3.3
SE	1.7	.9	.1	.1								2.0	4.3
SSE	.6	1.5	.2									2.4	4.6
S	2.0	3.8	3.6	.1								9.0	5.6
SSW	1.8	3.6	3.1	.1								8.6	5.8
SW	2.3	2.7	.9	.1								5.9	4.2
WSW	1.7	2.5	2.2	.1								6.5	5.4
W	2.7	3.5	1.7	.4								8.3	5.1
WNW	.7	1.2	.4	.1								2.5	5.0
NW	1.0	1.5	.9	.1								3.5	5.3
NNW	2.0	1.9	.9									4.9	4.4
VARBL													
CALM												14.5	
	30.4	35.6	17.4	2.0	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13846 STATION 13846 RIGHT-PATTERSON AFB CA 68-70, 73-79 YEARS AUG MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	.5									5.1	4.2
NNE	4.3	1.4	.3	.1								6.2	3.1
NE	1.9	1.7	.2									3.9	3.5
ENE	.6	.3	.2									1.2	3.5
E	1.4	.4		.3								2.2	4.5
ESE	1.0	.4										1.4	2.8
SE	.6	.4	.2									1.3	3.8
SSE	1.5	1.0	.2									2.7	3.6
S	2.1	3.5	1.5	.1								7.1	4.0
SSW	3.6	3.1	.8	.1								7.6	4.0
SW	4.4	1.0	.4	.1								6.0	3.1
WSW	1.8	1.4	.2	.3								3.8	4.3
W	.5	.4	.2									1.2	4.2
WNW	.2		.1									.3	3.7
NW	.6	.1	.5									1.3	4.8
NNW	1.5	1.3	.5	.1								3.5	4.3
VARBL													
CALM												45.3	
	28.5	18.9	6.1	1.2								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17440 STATION KIGHT-PATTERSON AFB OH 68-70, 73-79 YEARS AUG MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.4	1.2	.1								7.9	4.4
NNE	2.9	2.2	.9	.2								6.2	4.3
NE	1.7	1.5	.7	.0								3.9	4.2
ENE	1.1	.9	.4	.0	.0							2.5	4.3
E	1.1	.9	.5	.3	.0							2.8	5.4
ESE	1.0	.6	.2	.1								1.9	4.0
SE	.7	.6	.3	.0								1.6	4.3
SSE	1.4	1.0	.4	.0								2.8	4.1
S	2.3	2.8	1.3	.1								6.6	4.8
SSW	2.2	2.9	2.3	.4								7.9	5.6
SW	2.0	2.0	1.8	.7	.0							6.5	6.0
WSW	1.6	2.3	1.9	.8	.1		.0					6.7	6.6
W	1.3	2.3	2.1	.7	.0							6.5	6.4
WNW	.7	.9	.5	.1	.0							2.2	5.3
NW	.6	.7	.5	.1								2.0	5.3
NNW	1.2	1.6	.7	.1								3.6	4.9
VARBL													
CALM												23.6	
	25.1	26.5	15.6	4.0	.2		.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13F40
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-71, 73-76
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.4	1.3	.2								5.9	4.8
NNE	2.3	1.1	.9	.1								4.4	4.3
NE	2.2	.8			.1							3.1	3.3
ENE	1.3	1.3	.1	.2								3.0	4.2
E	1.2	1.1	.1									2.4	3.6
ESE	.8	.1										.9	2.3
SE	1.0	.1	.4									1.6	4.1
SSE	1.7	1.8	.8									4.2	4.2
S	2.8	2.2	.7									5.7	3.7
SSW	2.1	2.4	1.3									5.9	4.5
SW	1.4	2.8	.7	.1								5.0	4.6
WSW	1.1	1.1	.3	.1								2.7	4.8
W	.3	1.2	.4	.3								2.3	6.0
WNW	.4	1.2	.2	.1								2.0	5.0
NW	.8	1.0	.8									2.6	5.3
NNW	.2	.3	.1	.3								1.0	7.4
VARBL													
CALM												47.3	
	22.1	20.7	8.2	1.6	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13440
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-78, 73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.8	1.0	.4								5.8	4.7
NNE	4.1	1.9	.8	.2								7.0	3.7
NE	3.3	.6	.1									4.0	2.6
ENE	2.2	.3		.1								2.7	2.9
E	1.1	.9	.2									2.2	4.0
ESE	.7	.3										1.0	3.1
SE	1.2	.8	.1									2.1	3.2
SSE	1.7	.7	.6									2.9	4.1
S	2.9	2.4	.2									5.6	3.5
SSW	2.1	3.0	1.6									6.7	4.8
SW	1.1	1.0	1.2	.7								4.3	6.4
WSW	.6	1.0	.7	.6								2.8	6.7
W	.4	.9	.3	.1								1.8	5.0
WNW	.6	.6	.1									1.2	4.1
NW	.1	1.0	.7									1.8	5.7
NNW	.6	1.6	.4	.3								2.9	5.8
VARBL													
CALM												45.7	
	25.2	18.7	8.0	2.4								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1840 STATION AIRPORT-PATTERSON AFB OH 67-70, 73-78 YEARS SEP NORTH
ALL WEATHER CLASS 600-0300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	1.6	.1								7.4	4.7
NNE	4.0	2.2	.1	.2								7.3	3.2
NE	4.0	1.1	.2									5.3	2.8
ENE	1.6	.7	.2									2.4	3.1
E	.8	2.1										2.9	3.9
ESE	1.1	.6	.1									1.8	3.1
SE	.8	.6	.1									1.4	3.5
SSE	2.7	1.2	.6									4.4	3.8
S	2.8	3.7	1.0	.1								7.6	4.4
SSW	1.8	2.6	1.9	.4								6.7	5.7
SW	1.6	1.3	1.7	.3								4.9	5.8
WSW	.7	.6	.6	.6								2.3	6.9
W	.4	1.1	.3	.8								2.7	7.8
WNW	.3	.7	.7									1.7	5.7
NW	.7	.9	.2									1.8	3.8
NNW	.6	.8	.4									1.3	4.9
VARBL													
CALM												37.6	
	27.0	23.2	9.7	2.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10640 . RIGHT-PATTERSON AFB OH 61-71, 73-78 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHERS
CLASS
CONDITION
1900-1900
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.9	2.1	.1								5.7	5.6
NNE	1.2	1.6	1.3	.7								4.8	6.4
NE	1.3	1.4	1.2	.2								4.7	5.5
ENE	.3	1.6	.8	.4								3.6	5.8
E	2.2	2.3	.7	.1								5.9	4.2
ESE	1.3	1.6	.6									3.4	4.4
SE	.8	.7	.8									2.2	4.9
SSE	.9	2.8	1.4									5.1	5.4
S	2.6	3.6	1.6	.2								7.9	5.0
SSW	1.3	2.6	2.8	.1	.1							7.9	7.1
SW	1.3	2.3	4.2	1.9	.2							10.0	8.1
WSW	1.2	3.0	4.1	1.2	.2							9.8	7.7
W	1.4	1.8	2.8	.7								6.7	6.6
WNW	.8	1.0	1.2	.7								3.7	7.0
NW	.3	.7	1.0	.3	.1							2.4	7.5
NNW	2.0	1.3	1.3	.4								5.1	5.5
VARBL													
CALM												11.2	
	21.7	30.4	27.9	8.1	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13546 STATION 67-70, 73-72 SEP MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	2.3	3.1	.8								8.3	6.5
NNE	.9	.8	.8	.8								3.2	7.0
NE	.9	2.2	1.1	.3								4.6	5.8
ENE	1.0	1.8	.9	.3								4.0	5.7
E	.8	1.8	.9	.1								3.6	5.4
ESE	.3	2.1	.6									3.0	5.4
SE	.6	.8	.8									2.1	5.1
SSE	.9	1.4	1.3	.3								4.0	6.1
S	.9	2.4	3.0	.2								6.6	5.4
SSW	.9	3.1	3.6	1.0	.3							8.9	7.7
SW	1.2	2.4	3.4	3.2	.2	.2						10.8	8.9
WSW	.9	2.6	4.6	3.9	1.0							12.9	9.7
W	1.0	2.3	4.9	2.3								10.6	8.0
WNW	.3	2.0	1.8	1.1	.1	.1						5.4	8.3
NW	.9	1.3	1.2	.3	.1							3.9	6.5
NNW	1.2	2.0	2.1	.4								5.8	6.4
VARBL													
CALM												2.4	
	14.8	31.4	34.0	15.2	1.8	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13940 AIRPORT-PATTERSON AFB OH 67-70, 73-78 SEP

STATION STATION NAME YEARS MONTH

ALL OTHER 1500-1700

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.6	3.0	1.0								7.7	6.8
NNE	1.2	1.6	1.1	.9	.1							4.9	7.1
NE	.8	1.6	1.1	.2								3.7	5.9
ENE	.8	2.0	.6	.3								3.7	5.5
E	.9	2.1	.4	.1								3.9	5.1
ESE	.7	1.8	.7									3.1	5.2
SE	.3	1.3	.3	.1								2.1	5.4
SSE	.7	2.3	1.8	.2								5.0	6.2
S	.9	3.0	4.2	.1								8.2	6.6
SSW	.7	2.3	3.9	1.0								7.9	7.4
SW	.8	2.1	3.8	2.7	.2							9.6	8.8
WSW	.9	2.4	4.9	2.4	.3							11.0	8.6
W	1.3	3.0	3.4	2.6	.1							13.4	7.8
WNW	.2	1.2	1.8	1.4								4.7	8.8
NW	.9	1.9	1.0	.6								4.3	6.4
NNW	1.0	2.0	3.4	.9								7.3	7.0
VARBL													
CALM												2.6	
	13.1	33.2	35.8	14.6	.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13640 STATION RIGHT-PATTERSON AFB OH 67-70, 73-78 YEARS SEP MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	2.5	1.8	.4								7.1	5.5
NNE	1.9	2.0	1.4									5.3	4.9
NE	2.7	2.7	.2									5.6	3.7
ENE	1.3	1.1	.4	.1								3.0	4.4
E	2.1	2.1	.2									4.4	3.6
ESE	1.0	1.2	.1									2.3	3.9
SE	1.0	1.1	.3									2.4	4.0
SSE	1.3	2.8	1.4									5.6	5.1
S	1.2	3.9	1.8	.1								7.0	5.4
SSW	1.6	5.2	1.9	.4								6.1	5.5
SW	2.1	3.0	1.1	.3								6.6	4.9
WSW	2.6	3.0	1.8	.2								7.6	5.1
W	1.1	2.7	1.8	.2								5.8	5.6
WNW	.8	1.7	.3									2.8	4.9
NW	1.1	1.2	.7	.2								3.2	5.0
NNW	2.6	2.4	1.6	.3								6.9	5.1
VARBL													
CALM												15.3	
	26.4	38.9	16.9	2.4								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15440 WRIGHT-PATTERSON AFB OH 67-70, 73-78 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

2100-2300

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.7	1.4	.6								6.8	5.4
NNE	2.2	1.3	.6									4.1	3.6
NE	2.0	2.3	.6									4.9	4.1
ENE	1.1	1.1	.2									2.4	3.8
E	1.8	.7	.1									2.6	3.0
ESE	.8	.7										1.4	3.6
SE	.8	1.0	.6									2.3	5.0
SSE	1.1	3.6	.8									5.3	4.9
S	1.7	3.0	1.0	.1								5.8	4.7
SSW	3.3	2.8	.7	.2								7.0	4.0
SW	3.0	1.6	.8	.1	.1							5.6	4.3
WSW	.9	1.6	.3	.3								3.1	5.3
W	1.1	.3	.8	.1								2.3	4.6
WNW	.1	.3	.1	.2								.8	7.0
NW	.3	1.0	1.0									2.8	5.6
NNW	.4	1.7	.9	.2								3.2	5.7
VARBL													
CALM												39.6	
	23.1	25.6	9.8	1.9	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 STATION RIGHT-PATTERSON AFB OH STATION NAME 67-70, 73-76 YEARS SEP MONTH ALL MONTHS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.4	1.9	.5								6.8	5.6
NNE	2.3	1.6	.9	.4	.0							5.1	4.8
NE	2.2	1.6	.6	.1	.0							4.5	4.2
ENE	1.3	.2	.4	.2								3.1	4.6
E	1.4	1.6	.4	.0								3.5	4.2
ESE	.8	1.0	.2									2.1	4.2
SE	.8	.8	.4	.0								2.0	4.5
SSE	1.3	2.1	1.1	.1								4.6	5.0
S	2.0	3.0	1.7	.1								6.8	5.1
SSW	1.7	3.0	.2	.5	.1							7.5	6.0
SW	1.6	2.1	2.1	1.2	.1	.1						7.0	7.0
WSW	1.1	1.9	2.2	1.2	.2							6.5	7.6
W	.9	1.7	1.8	.9	.1							5.3	7.0
WNW	.4	1.1	.8	.4	.0	.0						2.8	7.0
NW	.7	1.1	.8	.2	.0							2.8	5.8
NNW	1.1	1.6	1.3	.4								4.2	6.0
VARBL													
CAIM												25.2	
	21.7	27.8	18.8	6.1	.4	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13446 WRIGHT-PATTERSON AFB OH 67-70, 73-76 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	1.3	.4								4.9	5.8
NNE	1.5	1.1	.3	.3								3.2	4.7
NE	1.0	1.4	.2									2.6	4.2
ENE	.9	.3	.2									1.4	3.5
E	.5	1.0	.3									1.3	4.7
ESE	.2	.5	.4	.1								1.3	6.3
SE	1.8	.6	.9	.3								3.7	5.2
SSE	2.5	1.9	1.1	.4								5.9	5.1
S	2.5	3.1	1.2	.4								7.2	4.9
SSW	2.2	1.3	1.5	.4								5.1	5.3
SW	1.7	1.4	1.0	.3								4.4	5.0
WSW	.4	1.4	1.7	.3								3.9	7.0
W	1.0	1.7	1.8	1.1								5.6	7.3
WNW	.4	.9	.8	.1								2.2	6.0
HW	.5	.5	1.1	.3	.1							2.6	7.6
NNW	.9	.9	1.2	.2								3.0	6.5
VARBL													
CALM												41.2	
	15.2	19.7	14.9	4.8	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

15840 STATION WRIGHT-PATTERSON AFB OH 67-76, 73-78 YEARS OCT MONTH
300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.6	1.8	.8								7.4	5.6
NNE	1.6	1.1	.4									3.1	3.8
NE	1.5	.8	.9	.1								3.2	4.8
ENE	.6	.5	.2									1.4	4.3
E	1.2	.4	.4									2.0	4.0
ESE	.9	.3	.2	.1								1.4	4.5
SE	1.6	1.2	1.4	.2								4.4	5.4
SSE	2.8	2.0	.3	.2								5.4	3.9
S	1.8	2.4	1.7	1.0								6.1	5.8
SSW	1.3	2.2	1.6	.4								5.5	6.0
SW	.6	2.5	.9	.5								4.5	6.0
WSW	.9	2.0	.4	1.0								4.3	6.3
W	1.1	1.2	2.2	.3								4.7	6.2
WNW	.2	.6	1.2	.2								2.3	7.3
NW	.2	.6	.8	.4								2.0	7.7
NNW	.3	.8	.4	.4								1.9	6.9
VARBL													
CALM												40.2	
	18.8	21.2	14.1	5.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13040 WRIGHT-PATTERSON AFB OH 67-70, 73-76 OCT

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

3600-0800

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.3	1.6	.5								6.0	5.3
NNE	2.5	.8	.2	.1								4.0	3.2
NE	1.7	.6	.2	.1								2.7	3.6
ENE	.3	.3	.3									1.0	4.9
E	1.0	.9	.1									1.8	3.6
ESE	1.2	.9	.1									2.2	3.5
SE	1.5	1.4	.5	.6								4.1	5.5
SSE	2.5	1.5	1.7	.1								5.1	4.2
S	2.5	3.2	1.7	.8								8.2	5.6
SSW	1.6	3.7	1.4	1.0								7.0	6.2
SW	.6	1.6	1.0	.2								3.4	5.8
WSW	1.3	1.3	1.1	1.3								4.9	7.3
W	.4	1.1	1.7	.2								3.4	6.8
WNW	.5	.5	1.1	.4								2.6	7.3
NW	.5	1.2	.5	.2	.1							2.6	6.5
NNW	.6	1.4	1.6	.1								3.8	6.2
VARBL													
CALM												35.4	
	21.7	22.9	14.2	5.7	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13540 STATION 13540 WRIGHT-PATTERSON AFB OH STATION NAME 67-70, 73-78 YEARS OCT MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.5	2.6	1.1								6.8	7.3
NNE	.5	1.1	.8	.3								2.7	6.2
NE	.4	1.3	1.3	.1								3.1	6.0
ENE	.4	1.4	.3	.1								2.3	5.3
E	.1	1.8	1.4									3.3	6.6
ESE	.6	.9	.6									2.2	5.2
SE	.4	1.2	.4	.6								2.7	6.6
SSE	1.8	2.4	1.2	.8								6.1	6.0
S	2.0	4.1	3.1	1.0								10.2	6.3
SSW	1.2	2.7	3.2	1.9	.1							9.1	7.8
SW	1.4	1.9	2.7	3.7	.4	.2						10.3	9.3
WSW	.5	1.7	3.3	1.7	.1	.1						7.5	8.6
W	1.1	2.2	2.3	1.7	.1	.1						7.4	8.1
WNW	.2	1.3	2.2	.8	.2							4.6	8.7
NW	.6	1.4	1.5	1.4								4.9	7.9
NNW	.6	1.2	2.5	.5								4.8	7.3
VARBL													
CALM												11.8	
	12.8	28.9	29.4	15.7	1.0	.4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-73, 73-78
YEARS

OCT
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER

CLAYS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	3.1	1.5								7.1	7.8
NNE	.2	1.1	1.2	.3	.2							3.0	7.6
NE	.3	.8	.3									1.4	5.2
ENE	.2	.5	.5									1.3	3.8
E	.2	1.8	1.2	.2								3.4	6.3
ESE	.8	2.2	.6									3.5	4.8
SE	.4	1.2	.4	.1								2.2	5.2
SSE	.4	1.9	1.6	1.0	.1							5.4	7.2
S	.5	2.6	3.9	2.0								9.0	8.1
SSW	.5	2.2	2.9	4.3	.2							10.1	9.4
SW	.6	2.5	4.3	4.2	.9	.1						12.6	10.1
WSW	.5	2.4	3.5	3.2	1.3							10.6	9.9
W	1.4	1.6	3.4	3.3	.8	.1						10.6	9.5
WNW	1.0	1.5	2.6	1.5	.1							6.7	8.1
NW	.3	.8	1.8	1.2		.1						4.2	9.3
NNW	.8	1.5	2.5	1.0								5.7	7.7
VARBL													
CALM												3.1	
	9.6	25.9	34.0	23.9	3.2	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	3.3	1.3								8.3	7.3
NNE	.1	.3	.8	.3	.5							1.8	10.1
NE	.5	.5	.4									1.5	4.4
ENE	.4	.9	.4									1.7	5.3
E	.5	1.5	1.2									3.2	5.6
ESE	1.2	1.5	.6	.1								3.4	5.1
SE	1.2	1.8	1.2									4.2	5.0
SSE	.6	2.4	2.2	.2	.1							5.5	6.5
S	.4	2.3	4.6	1.6	.2							9.1	8.2
SSW	.8	2.3	4.3	2.8	.1							10.2	8.7
SW	.9	2.4	4.9	2.8	.1							11.1	8.7
WSW	.9	1.8	2.5	1.3								6.5	7.7
W	1.0	2.0	3.4	4.6	.8	.2						12.0	10.2
WNW	.4	1.9	2.0	2.5	.2							7.1	9.0
NW	.4	1.1	2.4	1.1	.1							5.1	8.4
NNW	.4	1.4	1.6	.3	.1							3.9	7.3
VARBL													
CALM												5.4	
	10.8	26.8	35.9	18.9	2.0	.2						110.0	7.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-40 STATION WRIGHT-PATTERSON AFB OH 67 7-28 YEARS OCT MONTH
1800-2100 HOURS (L.P.V.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	4.1	1.7									7.5	5.0
NNE	.9	1.6		.3		.1						2.9	5.4
NE	.6	1.0	.1									1.7	3.9
ENE	1.1	.6	.1									1.8	3.2
E	1.8	1.2	.2									3.2	3.6
ESE	2.0	1.6	.6									4.3	3.9
SE	1.5	2.2	1.2	.2								5.1	3.2
SSE	2.0	4.2	1.0	.4								7.6	4.9
S	1.8	3.9	1.6	.4	.1							7.8	5.8
SSW	2.5	4.0	2.0	.5								9.0	5.5
SW	1.8	4.2	.5	.2								6.8	4.7
WSW	1.1	1.1	1.0	.1								3.2	5.4
W	1.6	2.4	2.4	1.0	.1							7.4	6.5
WNW	1.3	1.4	1.1	.9	.1							4.7	7.0
NW	1.0	.9	1.1	.3								3.2	6.1
NNW	1.3	2.4	1.4	.2								5.3	5.4
VARBL													
CALM												18.3	
	24.1	36.6	16.0	4.6	.3	.						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 STATION WRIGHT-PATTERSON AFB OH 67-73, 73-73 YEARS OCT MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.L.L.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	1.8	.2								7.3	5.4
NNE	2.3	.5	.2	.1	.2							3.3	4.4
NE	.6	.8	.4									1.8	4.8
ENE	.4	.5	.2									1.2	4.5
E	.8	1.0	.3									2.0	4.5
ESE	.9	.9	.8									2.5	4.7
SE	.8	1.2	1.4	.2								3.5	6.1
SSE	1.0	3.5	1.1	.3								5.9	5.5
S	3.3	2.9	2.0	.2								8.5	4.9
SSW	1.8	3.4	1.8	.2								7.3	5.3
SW	1.2	1.2	1.2	.2								3.8	5.5
WSW	1.0	2.7	1.2	1.1								5.3	6.8
W	.3	1.5	1.8	.5								4.2	7.4
WNW	.2	1.1	.9	.3	.1							2.6	7.5
NW	.6	1.1	.2	.6								2.6	6.7
NNW	.5	1.0	.9	.5								2.9	6.4
VARBL													
CALM												35.3	
	17.2	26.3	16.2	4.6	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13A40	WRIGHT-PATTERSON AFB OH	67-73-76	OCT
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			ALL
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	2.2	.7								7.2	6.2
NNE	1.2	.9	.5	.2	.1	.0						3.0	5.3
NE	.8	.9	.5	.1								2.3	4.6
ENE	.6	.6	.3	.0								1.5	4.6
E	.8	1.2	.6	.0								2.6	5.1
ESE	1.0	1.1	.5	.0								2.6	4.6
SE	1.2	1.3	.9	.3								3.7	5.5
SSE	1.7	2.5	1.2	.4	.0							5.9	5.4
S	1.9	3.1	2.4	.9	.0							8.3	6.3
SSW	1.5	2.6	2.4	1.5	.1							7.9	7.1
SW	1.1	2.2	2.1	1.5	.2	.0						7.1	7.7
WSW	.8	1.7	1.8	1.2	.1	.0						5.8	7.9
W	1.0	1.7	2.4	1.6	.2	.1						6.9	8.3
WNW	.8	1.2	1.5	.8	.1							4.1	7.9
NW	.5	.9	1.2	.7	.0	.0						3.4	7.7
NNW	.7	1.3	1.5	.4	.0							3.9	6.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	23.8	
	16.8	26.0	21.8	10.5	.9	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFIP WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1984 STATION NIGHT-PATTERSON AFB OH 67-79, 73-78 YEARS NOV MONTH
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.0	.2	.1							5.2	5.1
NNE	.4	.7		.6								1.7	7.0
NE	.9	.2	.4	.1								1.7	5.1
ENE	.2	.7	.1									1.0	4.8
E	.6	1.0	.9									2.4	5.2
ESE	.8	1.2	.1									2.1	4.0
SE	1.2	1.2	1.2	.1	.1							3.9	5.5
SSE	1.6	1.2	1.3	.6	.1							4.8	6.3
S	1.2	3.4	1.8	1.2	.1							7.8	6.7
SSW	.5	2.0	2.9	1.7	.1							7.1	8.2
SW	1.2	2.2	2.3	1.9	.1							7.8	8.3
WSW	.9	2.2	3.4	.7	.1							7.3	7.3
W	.3	2.3	4.7	2.7	.6	.2						10.8	9.7
WNW	.6	1.2	1.4	1.0	.6							4.8	8.9
NW	.8	1.7	1.9	.8	.1							5.2	7.3
NNW	.7	1.1	1.7	.2	.1							3.8	6.6
VARBL													
CALM												22.7	
	12.0	24.3	25.1	11.7	2.1	.2						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13040 STATION WRIGHT-PATTERSON AFB OH 67-70, 73-78 YEARS NOV
NORTH
3300-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	1.0	.2								5.0	5.1
NNE	.9	1.1	.2	.3								2.6	5.3
NE	.7	.6	.7									1.9	5.3
ENE	.4	.8	.1									1.3	4.0
E	.3	1.5	.9									2.2	5.7
ESE	.8	1.1										1.9	3.9
SE	1.1	1.2	.4	.1	.1							2.9	5.3
SSE	1.2	1.3	1.1									3.7	4.9
S	2.1	3.4	1.7	.6	.3	.1						8.2	6.2
SSW	1.0	2.3	3.2	1.9	.2	.1						9.8	8.7
SW	1.1	1.7	2.8	1.8	.2	.1						7.7	8.5
WSW	.3	1.6	1.7	1.1	.2	.1						5.4	8.3
W	.8	2.6	4.8	2.9	.3	.1						11.4	8.9
WNW	1.0	1.3	2.1	1.6								6.0	7.9
NW	1.0	.7	1.1	.9								3.7	7.1
NNW	.6	1.3	1.2	.7								3.8	7.0
VARBL													
CALM												22.6	
	15.2	24.2	23.0	13.0	1.4	.6						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12640 RIGHT-PATTERSON AFB OH 67-70, 73-78 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS, DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	.7	.1								3.8	4.6
NNE	1.3	.3	.5	.2	.1							2.8	3.1
NE	1.2	.4	.7	.2								2.6	3.2
ENE	1.1	.9	.3	.1								2.4	4.
E	1.0	.7	.6	.1								2.3	4.1
ESE	1.2	.7	.1	.1								2.1	3.9
SE	.6	1.0	.4	.2								2.2	5.3
SSE	2.2	2.4	1.2	.2								6.1	4.9
S	1.9	2.8	2.4	.2	.2	.2						7.8	6.7
SSW	.7	2.8	3.4	2.8	.1	.1						9.9	8.8
SW	.9	2.7	2.1	2.0								7.7	7.8
WSW	1.4	1.8	1.8	1.2	.3	.1						6.7	7.6
W	1.1	2.6	4.1	2.8	.8	.1						11.4	9.4
WNW	.7	1.1	2.1	1.2	.2							5.3	8.3
NW	.8	.7	1.0	.7	.3							3.4	8.6
NNW	.9	1.2	1.2	.2								3.6	5.8
VARBL													
CALM												19.9	
	12.2	24.2	22.6	12.4	2.1	.6						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13645
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.6	1.2	.3								4.7	5.7
NNE	1.1	.6	.9	.3	.1							3.0	6.1
NE	.8	.3	.3	.3								2.2	8.3
ENE	.6	1.8	.6	.1								3.0	5.5
E	.3	1.4	.8									2.6	5.4
ESE	.1	.2	.3	.1								.8	5.7
SE	.4	.8	.2	.1								1.6	5.4
SSE	1.5	1.1	.6	.9	.1							4.1	6.5
S	1.2	3.7	4.2	1.1	.1							10.3	7.0
SSW	1.2	1.7	4.1	2.9	.3							10.2	8.8
SW	1.0	2.0	2.8	4.4	.4	.1						10.8	9.7
WSW	.6	1.7	1.6	3.9	.7	.1	.1					8.6	10.8
W	.8	1.8	4.7	4.3	.8	.5						12.7	10.6
WNW	.2	.9	2.3	2.4	.8							6.7	11.1
NW	.9	.7	2.0	.8								4.3	7.7
NNW	.7	1.4	1.1	.8								4.0	7.1
VARBL													
CALM												10.6	
	13.0	21.4	28.1	22.9	3.3	.6	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

134411 LIGHT-PATTERSON AFB OH 67-70, 73-78 NOV
STATION MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.4	.4								3.4	7.6
NNE	.1	.7	1.1	.1	.1							2.1	7.5
NE	.2	.6	.7	.2								1.7	7.2
ENE	.0	.8	.4	.1								1.9	5.4
E	.4	1.1	1.1	.2								2.9	6.3
ESE	.4	.7	.1									1.2	4.5
SE	.4	1.0	.3									1.8	5.0
SSE	.6	1.1	1.2	.2	.1							3.2	7.3
S	.6	2.4	3.1	.9	.6	.1						7.7	8.4
SSW	.6	1.6	4.1	4.8	.6	.1						11.7	10.5
SW	1.0	2.3	3.9	4.8	.6	.3						12.9	10.1
WSW	.3	1.0	2.1	4.3	1.0							9.7	10.7
W	1.3	2.2	4.4	7.6	1.8	.6						17.9	11.4
WNW	.6	1.1	2.2	2.9	1.0							7.8	10.9
NW	.3	1.4	1.7	2.1	.1							5.7	9.3
NNW	.6	1.1	.9	1.3								4.3	8.6
VARBL													
CALM												4.2	
	2.8	20.8	28.9	30.4	5.8	1.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17841 WRIGHT-PATTERSON AFB OH 67-78, 73-78 NOV

STATION STATION NAME YEARS MONTH

ALL WEATHER NORTH

CLASS 1500-1700

CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.8	.7								4.4	7.6
NNE	.3	.9	.8	.2								2.2	6.2
NE	.4	.7	.3	.4								1.9	6.5
ENE	.3	1.0	1.1	.1								2.6	6.4
E	.5	.9	.7	.1								2.2	5.7
ESE	.3	1.0	.7									2.0	5.6
SE	.4	1.2	.2	.1								2.0	5.5
SSE	.2	1.5	.9									2.7	6.1
S	1.0	2.1	3.8	1.4	.2	.1						9.7	8.1
SSW	.6	1.9	4.7	3.6	.1							10.8	9.2
SW	.9	2.1	2.9	3.3	.4	.2						9.9	9.6
WSW	.6	1.7	2.7	3.0	.2	.3	.1					8.1	10.3
W	.7	2.4	4.0	7.8	1.7	.1						17.6	10.9
WNW	1.1	1.9	4.0	3.4	.3							10.8	9.2
NW	.2	1.0	2.3	2.2	.2							6.0	10.0
NNW	.6	2.1	1.8	.3								4.8	6.4
VARBL													
CALM												3.4	
	9.1	23.1	3.4	26.8	3.2	.8	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 STATION WRIGHT-PATTERSON AFB OH 67-70, 73-78 YEARS NOV MONTH
1200-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.2	.8	.1							5.0	6.3
NNE	.3	1.3	1.7	.1								3.4	6.6
NE	.6	.8	.2	.3								1.9	5.9
ENE	.9	.4	.7	.1								2.1	5.5
E	1.6	1.2	1.0	.1								3.9	4.9
ESE	.3	.9	.3	.1								1.7	5.7
SE	.3	.9	.7									1.9	5.7
SSE	.4	2.3	.7	.1								3.4	5.4
S	1.1	4.6	3.0	.4								9.1	6.0
SSW	1.8	2.7	4.0	.9	.1							9.4	6.8
SW	1.6	2.4	1.7	1.7	.3	.1						7.8	7.7
WSW	1.2	.6	2.8	2.0	.4	.1						7.1	9.5
W	1.4	2.3	4.3	3.1	.6	.2						12.2	9.3
WNW	.9	2.1	2.3	1.4	.1	.1						7.0	8.2
NW	.8	1.8	1.6	1.8	.2							6.1	8.3
NNW	1.1	1.6	1.1	.1								3.9	5.3
VARBL													
CALM												14.0	
	15.9	27.1	7.2	13.1	2.0	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 RIGHT-PATTERSON / B CH 67-70, 73-78 NOV
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
MONTH
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	1.1	.2	.3							5.3	5.9
NNE	.3	.6	.7	.3								1.9	6.9
NE	.1	1.1	.3	.4								2.0	7.7
ENE	.9	1.0	.1	.1								2.0	4.6
E	.6	1.2	.3	.1								2.2	5.1
ESE	.4	1.0	.6	.1								2.1	5.4
SE	1.1	1.2	.6	.2								3.1	5.3
SSE	.5	1.1	.8	.3								2.8	6.2
S	2.0	2.1	2.6	.9								7.6	6.4
SSW	1.1	2.3	2.7	2.1	.2	.1						8.6	8.3
SW	.8	1.0	1.6	1.3	.1							4.8	8.3
WSW	.9	1.4	3.3	1.7	.6							7.9	8.6
W	.7	2.0	4.0	3.9	.9	.3						12.3	10.2
WNW	.3	2.0	1.0	1.7	.3							5.3	8.6
NW	.6	1.6	1.9	.4								4.4	7.1
NNW	.9	1.1	1.9	.2								4.1	6.5
VARBL													
CALM												23.6	
	12.9	23.2	23.3	14.1	2.4	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841 STATION WRIGHT-PATTERSON AFB OH 67-78, 73-78 NCV
STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL
CONDITION HOUR (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	1.7	.4	.1							4.6	5.9
NNE	.6	.8	.7	.3	.1							2.5	6.3
NE	.6	.6	.7	.3								2.0	6.1
ENE	.6	.9	.7	.1								2.6	5.2
E	.7	1.1	.7	.1								2.6	5.4
ESE	.6	.8	.7	.1								1.7	4.8
SE	.7	1.1	.7	.1	.0							2.4	5.4
SSE	1.7	1.5	1.7	.3	.7							3.8	5.9
S	1.4	3.1	2.2	.8	.7	.1						8.4	6.9
SSW	.9	2.2	3.4	2.7	.7	.1						9.7	8.7
SW	1.1	2.1	2.7	2.7	.3	.1						8.7	8.9
WSW	.9	1.5	2.4	2.2	.4	.1	.7					7.6	9.3
W	.9	2.3	4.5	4.4	.9	.2						13.3	10.2
WNW	.7	1.5	2.7	2.0	.4	.0						6.7	9.2
NW	.7	1.2	1.7	1.2	.1							4.9	8.3
NNW	.7	1.4	1.4	.5	.0							4.0	6.7
VARBL													
CALM												15.1	
	13.4	23.6	26.5	18.1	2.9	.6	.0					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13840 STATION 13840 WRIGHT-PATTERSON AFB OH CLASS ALL WEATHER CONDITION
67-70, 73-78
DEC MONTH
0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.7	1.9	.8	.1							5.3	7.4
NNE	1.1	.8	1.7									2.8	5.2
NE	.9	1.2	.5	.1								2.8	5.2
ENE	.6	.4	.3	.2		.1						1.7	5.9
E	1.1	2.2	1.4	.1								4.9	5.6
ESE	.6	2.0	.2	.1								3.0	5.0
SE	1.3	1.2	1.2	.1								3.8	5.3
SSE	1.5	2.4	1.1	.1								5.2	4.8
S	1.0	3.7	1.4	.8								7.4	5.7
SSW	1.1	3.6	1.9	1.9	.4							8.4	7.9
SW	1.0	1.0	1.3	1.9	.1							5.3	8.9
WSW	1.1	1.2	2.2	1.7	.2	.1						6.5	8.8
W	1.1	1.5	3.1	4.7	.6	.3	.1					11.5	10.9
WNW	.9	1.4	2.4	3.3	.2							8.5	9.6
NW	.6	.4	1.1	1.0	.4							3.5	9.5
NNW	.3	1.4	2.0	.6								4.4	7.6
VARBL													
CALM												15.1	
	15.6	25.4	23.5	17.5	2.3	.5	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1X-40 STATION WRIGHT-PATTERSON AFB OH 67-70, 73-76 YEARS DEC NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	2.0	1.1								5.3	7.4
NNE	1.1	.8	.5	.2								2.6	5.0
NE	.5	1.1	.3									1.9	4.7
ENE	.8	.2	.3	.1	.1							1.5	5.6
E	1.0	1.8	1.4	.6								4.8	6.6
ESE	1.3	1.3	.2	.4								3.2	5.3
SE	1.3	.6	.6	.1								2.7	4.8
SSE	1.5	1.6	.5									3.8	4.3
S	1.8	3.2	2.0	.3	.3							7.7	6.3
SSW	1.0	3.4	2.9	2.0	.2							9.6	7.9
SW	1.4	1.6	2.0	1.6	.1	.1						6.9	8.0
WSW	1.1	.5	1.7	1.9	.4	.2						5.9	10.1
W	1.2	2.0	4.4	3.1	1.1	.3						12.2	10.0
WNW	.9	1.4	3.2	2.6	.3	.2						8.6	9.7
NW	.5	1.5	1.4	1.1								4.5	7.6
NNW	.2	.9	.8	.5								2.4	7.3
VARBL													
CALM												16.0	
	16.6	23.1	24.6	15.8	2.6	.9						110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13840 WRIGHT-PATTERSON AFB OH 67-70, 73-78 DEC
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.1	2.2	1.3								5.8	7.5
NNE	.6	.6	.5	.1								1.9	5.4
NE	.3	.8	.8									1.8	5.6
ENE	.4	.5	.5	.4								1.9	7.7
E	1.3	1.5	1.2	.6	.1							4.7	6.5
ESE	.9	1.0	1.0	.1								2.8	5.2
SE	.4	1.2	.4	.3								2.4	5.5
SSE	1.7	2.2	.3	.2	.1							4.5	4.5
S	1.5	3.0	2.4	.5	.2	.1						7.8	6.6
SSW	.6	3.0	4.5	1.4								9.6	7.4
SW	1.1	1.9	2.3	2.0	.2							7.5	8.3
WSW	.5	2.0	1.7	1.9	.1	.3						6.7	9.4
W	1.0	2.2	4.3	4.1	.5	.5						12.6	9.9
WNW	.8	.8	1.9	2.0	.3	.1						5.9	9.9
NW	.3	1.7	2.4	1.0								5.4	7.5
NNW	.3	.3	.8	.9								2.3	8.7
VARBL													
CALM												16.4	
	13.1	23.7	27.1	17.0	1.6	1.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1240 STATION WRIGHT-PATTERSON AFB OH 67-70, 73-78 YEARS DEC MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	1.5	1.8	.1							5.2	9.4
NNE	1.7	.5	.6	.5								2.7	6.3
NE	.6	.9	1.5	.2								3.2	6.4
ENE	.2	.5	.5	.2								1.6	5.7
E	.9	.9	1.6	.6	.1							4.1	7.6
ESE	.6	1.2	1.5	.2								3.5	6.3
SE	.9	1.2	1.5	.2	.1							3.9	6.3
SSE	.5	1.5	1.4	.5								4.0	6.9
S	.8	2.4	2.8	1.7	.1							7.7	7.7
SSW	.4	2.4	5.3	2.3	.4	.1						10.9	9.1
SW	.6	1.9	2.8	2.9	.6							3.9	9.8
WSW	.6	1.4	3.5	1.8	1.0	.1						8.5	10.0
W	.7	1.5	4.1	4.5	1.1	.5						12.0	11.4
WNW	.3	.6	2.7	2.3	.8							6.7	10.8
NW	.2	.9	2.6	1.1								4.7	8.4
NNW	.9	.9	1.5	.5								3.6	7.2
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	8.6	
	9.7	19.7	35.6	21.5	4.3	.8						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1440 RIGHT-PATTERSON AFB OH 67-70, 73-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)
1200-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	1.0	1.3								5.1	8.2
NNE	.2	.5	1.0	.6								2.5	8.3
NE	.5	.3	1.0	.2								2.0	8.9
ENE	.4	1.7	.2	.2								1.8	8.4
E	.6	2.2	1.3	.3								4.4	8.1
ESE	.3	1.3	1.6	.3								3.5	6.7
SE	.2	1.4	1.2	.4								2.8	7.3
SSE	.4	1.9	2.3	.1	.2							4.9	7.1
S	.3	2.2	2.2	2.7	.1							7.4	8.8
SSW	.3	2.3	3.4	3.0	.9	.1						9.8	10.2
SW	.1	1.1	3.8	4.8	1.4	.1	.1					11.4	11.9
WSW	.5	1.1	2.6	4.5	1.1	.1						9.9	11.4
W	.5	1.7	1.7	4.7	1.4	.5						12.9	11.5
WNW	.6	.5	1.8	2.9	.8	.1	.1					6.6	11.8
NW	.5	.6	2.6	1.9	.3	.2						6.5	10.3
NNW	.1	1.0	1.9	2.0								5.1	9.4
VARBL													
CALM												3.2	
	6.3	19.8	32.9	30.2	6.1	1.2	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1384J WRIGHT-PATTERSON AFB OH 67-70, 73-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	1.5	1.2								4.7	8.0
NNE	.5	1.3	.9	1.0								3.7	7.5
NE	.2	.3	.5	.5								1.6	8.1
ENE	.4	1.0	.1									1.5	4.1
E	1.0	2.9	1.3	.1								5.3	5.6
ESE	.3	2.7	1.5	.2								4.7	6.2
SE	.8	1.0	1.1	.2								3.0	6.2
SSE	.4	1.0	2.3	.3	.1							4.1	7.9
S	.4	2.0	3.2	1.4								7.1	8.0
SSW	.4	1.4	3.2	3.4	.3							8.8	9.8
SW	.8	1.3	2.7	3.3	.6	.4						9.1	10.7
WSW	.4	1.1	2.3	2.9	.0	.1	.1					7.6	11.1
W	.6	1.9	4.3	7.1	.9	.2						15.1	11.2
WNW	.3	1.3	1.9	5.2	.5							9.2	11.4
NW	.1	1.1	1.5	1.9								4.6	9.3
NNW	.5	.3	1.3	2.2	.1							4.8	9.4
VARBL													
CALM												4.9	
	3.2	22.2	29.6	31.0	3.3	.4	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-73, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	1.5	1.1								5.2	7.0
NNE	.4	1.1	.8	.4								2.7	6.8
NE	1.2	1.2	.3	.4								3.1	5.5
ENE	1.0	1.8	.6	.1								3.6	4.8
E	.8	2.2	1.9									4.8	5.8
ESE	1.0	2.2	.8									3.9	4.9
SE	1.3	1.6	1.0									3.9	4.9
SSE	.5	1.6	1.5	.2								3.9	6.2
S	1.3	3.6	2.0	1.4	.2							8.5	7.0
SSW	1.4	2.6	1.6	1.6	.4							7.7	7.7
SW	1.0	1.7	1.5	1.6	.4		.1					6.4	8.8
WSW	.8	1.7	2.8	1.8	.3	.3	.2					8.0	10.0
W	.6	2.3	3.8	4.3	.1	.1						11.2	9.6
WNW	.6	1.5	2.6	4.2	.7	.1						9.4	10.0
NW	.3	.3	2.3	1.1	.5	.5						4.6	10.9
NNW	.2	.9	1.0	.8								2.8	8.4
VARBL													
CALM												10.5	
	17.3	27.4	26.0	19.1	2.2	.9	.3					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13846 WRIGHT-PATTERSON AFB OH 67-73, 73-78 DEC
STATION STATION NAME YEARS NORTH
ALL WEATHER CLASS 2100-2300
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	1.6	1.2								5.0	7.6
NNE	.0	.5	.7									1.7	4.3
NE	1.7	1.5	.4	.8								3.7	6.4
ENE	.5	.3	.4	.1								1.4	5.7
E	1.5	1.9	2.8									6.3	5.6
ESE	.9	1.1	.8	.1								2.9	5.4
SE	.3	.8	1.0				.1					2.2	7.1
SSE	2.0	2.3	1.3	.2	.1							5.9	5.1
S	1.6	2.9	1.9	.5	.2							7.2	6.3
SSW	1.4	3.2	2.5	2.2	.3	.1	.1					3.8	8.2
SW	.6	1.3	1.6	1.6	.4	.2						5.8	9.9
WSW	.2	1.4	1.3	1.3	.5	.3						5.1	10.4
W	1.0	1.8	3.8	3.1	1.0	.1						10.4	9.7
WNW	.8	.8	4.3	2.8	.9	.1						9.6	10.5
NW	.5	1.0	1.7	1.9								5.2	8.9
NNW	.4	.4	1.7	1.0	.1							3.7	8.8
VARBL													
CALM												13.8	
	14.6	22.5	27.6	16.8	3.6	.9	.2					170.0	6.9

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13P40 WRIGHT-PATTERSON AFB OH 67-70, 73-78
STATION STATION NAME YEARS
ALL WEATHER
CLASS
ALL
MONTH
HOURS (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.8	1.2	.7							5.2	7.8
NNE	.7	.8	.7	.4								2.6	6.2
NE	.7	.7	.7	.3								2.5	6.1
ENE	.6	.7	.4	.2	.7	.7						1.9	5.8
E	1.1	1.9	1.6	.3	.7							4.9	6.1
ESE	.7	1.6	1.1	.2								3.5	5.7
SE	.8	1.1	1.6	.2	.7		.7					3.1	5.9
SSE	1.1	1.8	1.3	.2	.1							4.5	5.2
S	1.2	2.9	2.2	1.2	.1	.0						7.6	7.0
SSW	.8	2.6	3.2	2.2	.4	.7	.0					9.3	8.6
SW	.4	1.5	2.2	2.5	.5	.1	.1					7.7	9.8
WSW	.7	1.3	2.3	2.2	.6	.2	.0					7.3	10.2
W	.8	1.9	4.0	4.5	.8	.3	.0					12.3	10.6
WNW	.8	1.0	2.6	3.2	.5	.1	.0					8.1	10.5
NW	.4	.9	2.0	1.4	.1	.1						4.9	9.1
NNW	.4	.3	1.4	1.1	.0							3.6	8.5
VARBL													
CALM												11.1	
	12.2	23.0	28.4	21.1	3.2	.9	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

15340 STATION WRIGHT-PATTERSON AFB OH

67-70, 73-79

ALL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	1.7	.7	.1	.0						0.2	0.3
NNE	1.2	1.2	.9	.4	.1	.0						3.8	5.0
NE	1.1	1.2	.9	.3	.1	.0						3.5	5.9
ENE	.9	.9	.6	.2	.1	.1						2.6	5.4
E	1.0	1.4	.9	.2	.0							3.5	5.6
ESE	.7	1.1	.6	.1	.0							2.5	5.3
SE	.7	.9	.6	.2	.0	.0	.0					2.5	5.6
SSE	1.1	1.6	1.0	.3	.1	.0						4.0	5.6
S	1.5	2.7	2.1	.8	.1	.1						7.1	6.5
SSW	1.3	2.5	2.6	1.6	.2	.1	.1	.0				8.2	7.8
SW	1.2	1.9	2.7	1.8	.3	.1	.0					7.2	8.4
WSW	.9	1.7	2.2	1.7	.3	.1	.0	.0				7.0	8.8
W	1.0	2.1	3.1	2.7	.6	.2	.0	.0				9.7	9.5
WNW	.6	1.2	1.6	1.4	.3	.1	.0					5.2	9.1
NW	.6	1.1	1.4	.8	.1	.0	.0					4.0	8.0
NNW	.7	1.4	1.4	.6	.0	.0	.0					4.2	7.0
VARBL													
CALM												18.8	
	16.0	25.0	23.6	13.9	2.1	.6	.1	.0				100.0	0.0

TOTAL NUMBER OF OBSERVATIONS

87626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1440 STATION NAME RIGHT-PATTERSON AFB OH YEARS 67-70, 73-79 ALL MONTH ALL HOURS (L.S.T.)

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MIN WIND SPEED
N	1.5	2.5	2.8	1.8	.3							8.9	7.7
NNE	1.1	1.5	1.4	1.0	.2	.7						5.2	7.5
NE	1.1	1.3	1.3	.7	.1	.0						4.5	7.0
ENE	.0	1.1	.8	.3	.7	.1						3.0	6.1
E	1.1	1.7	1.2	.3	.1							4.2	5.9
ESE	.8	1.2	.8	.1	.7							3.9	5.4
SE	.7	1.0	.7	.2	.7							2.5	5.9
SSE	1.0	1.4	1.1	.3	.7							3.8	5.8
S	1.1	2.4	1.6	.6	.1	.0						5.8	6.5
SSW	1.7	2.1	2.3	1.1	.1							6.7	7.4
SW	1.7	1.7	1.8	1.4	.1	.1	.0					6.0	8.0
WSW	.7	1.6	1.0	1.4	.4	.1	.0					5.9	9.0
W	.8	1.9	2.9	2.4	.6	.2	.0	.0				8.8	9.7
WNW	.5	1.0	1.5	1.5	.2	.1						4.7	9.3
NW	.5	1.2	2.0	1.1	.2	.9						5.1	8.4
NNW	.7	1.5	1.9	1.1	.1	.0						5.3	7.8
VARBL													
CALM												16.5	
	14.4	25.1	25.8	15.2	2.4	.5	.1	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 11679

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13E4C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

63-70,73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS TEST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	26.0	31.7	32.7	32.8	33.3	34.0	34.5	34.5	34.5	34.5	34.6	34.6	34.8	34.9	34.9	34.9
≥ 20000	28.0	33.2	33.8	34.3	34.8	35.5	36.1	36.1	36.1	36.1	36.2	36.2	36.5	36.6	36.6	36.6
≥ 18000	28.0	33.2	33.8	34.3	34.8	35.5	36.1	36.1	36.1	36.1	36.2	36.2	36.5	36.6	36.6	36.6
≥ 16000	28.2	33.4	34.0	34.5	35.1	35.7	36.3	36.3	36.3	36.3	36.5	36.5	36.7	36.8	36.8	36.8
≥ 14000	26.5	33.8	34.3	34.8	35.4	36.0	36.7	36.7	36.7	36.7	36.8	36.8	37.0	37.1	37.1	37.1
≥ 12000	29.4	34.7	35.3	35.8	36.3	37.0	37.7	37.7	37.7	37.8	38.0	38.0	38.2	38.3	38.3	38.3
≥ 10000	31.0	36.3	36.9	37.4	38.0	38.5	39.4	39.4	39.4	39.5	39.6	39.6	39.8	39.9	39.9	39.9
≥ 9000	31.2	36.9	37.4	38.0	38.5	39.1	39.9	39.9	39.9	40.0	40.1	40.1	40.3	40.4	40.4	40.4
≥ 8000	33.7	39.1	40.0	41.2	41.8	42.5	43.2	43.2	43.2	43.3	43.4	43.4	43.7	43.8	43.8	43.8
≥ 7000	33.8	41.1	41.0	42.2	42.8	43.4	44.2	44.2	44.2	44.3	44.4	44.4	44.6	44.7	44.7	44.7
≥ 6000	34.9	41.6	42.5	43.7	44.3	44.9	45.7	45.7	45.7	45.8	45.9	45.9	46.1	46.2	46.2	46.2
≥ 5000	36.9	44.2	45.2	46.3	47.0	47.6	48.4	48.4	48.4	48.5	48.6	48.6	48.8	48.9	48.9	48.9
≥ 4500	38.1	45.1	46.8	48.0	48.7	49.4	50.1	50.1	50.1	50.2	50.3	50.3	50.5	50.6	50.6	50.6
≥ 4000	38.7	46.7	47.8	49.0	49.8	50.4	51.2	51.2	51.2	51.3	51.4	51.4	51.6	51.7	51.7	51.7
≥ 3500	40.3	49.2	50.3	51.5	52.4	53.1	53.9	53.9	53.9	54.0	54.1	54.1	54.3	54.4	54.4	54.4
≥ 3000	41.8	51.4	52.6	53.9	55.1	55.9	56.7	56.7	56.7	56.8	56.9	56.9	57.1	57.2	57.2	57.2
≥ 2500	44.3	54.8	56.3	57.6	59.0	60.2	61.2	61.3	61.3	61.4	61.5	61.5	61.7	61.8	61.8	61.8
≥ 2000	47.3	59.4	61.2	62.6	64.2	65.8	67.1	67.4	67.4	67.6	67.8	67.8	68.1	68.2	68.2	68.2
≥ 1800	49.2	62.2	64.0	65.4	67.1	68.8	70.1	70.4	70.4	70.6	70.9	70.9	71.1	71.2	71.2	71.2
≥ 1500	51.9	66.1	68.2	69.6	71.7	73.4	74.8	75.3	75.3	75.8	76.1	76.1	76.2	76.3	76.3	76.3
≥ 1200	53.0	69.6	72.4	74.2	75.8	78.5	80.0	80.5	80.5	81.1	81.3	81.3	81.5	81.6	81.6	81.6
≥ 1000	53.4	70.8	73.9	75.9	79.0	80.8	82.5	83.1	83.1	83.9	84.5	84.5	84.7	84.8	84.8	84.8
≥ 900	53.8	71.6	74.9	77.0	80.3	82.0	83.8	84.5	84.5	85.3	85.9	85.9	86.1	86.2	86.2	86.2
≥ 800	54.0	72.2	75.5	77.5	82.0	84.1	86.2	87.0	87.1	88.0	88.6	88.6	88.8	88.9	88.9	88.9
≥ 700	54.1	72.6	76.1	78.7	83.5	85.6	87.7	88.7	88.8	89.8	90.5	90.5	90.8	90.9	90.9	90.9
≥ 600	54.1	72.9	76.7	79.9	85.3	87.4	89.8	90.8	91.0	91.9	92.7	92.7	92.9	93.0	93.0	93.0
≥ 500	54.1	72.9	76.7	80.0	86.0	88.5	91.1	92.3	92.6	93.7	94.4	94.4	94.7	94.8	94.8	94.8
≥ 400	54.1	72.9	76.7	80.0	86.0	88.6	91.2	92.9	93.2	94.4	95.3	95.4	95.7	95.8	95.8	95.8
≥ 300	54.1	72.9	76.7	80.0	86.0	88.6	91.2	93.7	94.2	95.4	96.6	96.7	97.0	97.1	97.1	97.2
≥ 200	54.1	72.9	76.7	80.0	86.0	88.6	91.2	93.9	94.9	96.1	97.3	97.4	98.4	98.5	98.7	98.8
≥ 100	54.1	72.9	76.7	80.0	86.0	88.6	91.2	93.9	94.9	96.1	97.3	97.4	98.4	98.6	98.8	99.1
≥ 0	54.1	72.9	76.7	80.0	86.0	88.6	91.2	93.9	94.9	96.1	97.3	97.4	98.4	98.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13540 FLIGHT-PATTERSON AFB OH
STATION STATION NAME

68-73,73-79 YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	24.5	29.5	29.9	31.4	31.1	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9	32.2	32.3	32.5
≥ 20000	25.3	30.9	31.4	32.0	32.7	33.1	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	34.1
≥ 18000	25.3	30.9	31.4	32.0	32.7	33.1	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	34.1
≥ 16000	25.4	31.7	31.5	32.2	32.8	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.9	33.9	34.2
≥ 14000	25.7	31.4	31.9	32.6	33.2	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.3	34.3	34.6
≥ 12000	26.2	32.0	32.6	33.2	33.9	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.9	34.9	35.3
≥ 10000	27.7	34.2	34.7	35.4	36.0	36.5	36.7	36.9	36.9	36.9	36.9	36.9	36.9	37.1	37.1	37.4
≥ 9000	28.0	34.5	35.1	35.7	36.3	36.8	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.4	37.7
≥ 8000	31.2	36.9	37.4	38.3	39.0	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	40.1	40.1	40.4
≥ 7000	30.5	37.4	38.0	38.8	39.6	40.0	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.8	40.8	41.2
≥ 6000	32.4	39.6	40.1	41.4	42.2	42.6	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.3	43.3	43.8
≥ 5000	33.9	41.5	42.3	43.5	44.3	44.7	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.5	45.5	45.9
≥ 4500	34.5	42.5	43.3	44.6	45.5	46.0	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.8	46.8	47.2
≥ 4000	36.0	44.3	45.4	46.8	47.8	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.9
≥ 3500	37.1	45.8	46.9	48.4	49.7	50.8	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.9
≥ 3000	38.4	48.5	49.7	51.2	53.1	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	55.1	55.1	55.5
≥ 2500	40.0	51.2	52.1	54.6	56.8	57.7	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.9	58.9	59.4
≥ 2000	42.0	55.6	57.6	59.4	61.8	62.9	63.3	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.8
≥ 1800	43.0	57.5	59.6	61.6	64.4	65.6	66.0	66.8	66.9	67.0	67.0	67.0	67.0	67.2	67.2	67.6
≥ 1500	46.0	62.8	64.8	67.3	70.4	71.8	72.3	73.0	73.1	73.3	73.3	73.3	73.3	73.5	73.5	74.0
≥ 1200	48.0	66.5	68.5	71.3	74.5	75.9	76.3	77.4	77.5	77.8	77.8	77.8	77.8	78.1	78.1	78.5
≥ 1000	48.4	68.4	71.0	74.2	77.8	79.6	80.1	81.2	81.3	81.8	82.0	82.0	82.0	82.3	82.3	82.7
≥ 900	49.0	70.3	72.9	76.6	80.5	82.5	83.0	84.2	84.3	84.9	85.2	85.2	85.2	85.4	85.4	85.8
≥ 800	49.0	70.8	73.3	77.3	81.8	83.9	84.7	86.2	86.5	87.3	87.5	87.5	87.5	87.7	87.7	88.2
≥ 700	49.0	71.2	73.8	78.1	82.8	84.8	85.7	87.2	87.7	89.0	89.4	89.4	89.4	89.6	89.6	90.0
≥ 600	49.1	71.6	74.3	79.1	84.2	86.2	87.2	88.7	89.2	90.8	91.1	91.1	91.1	91.3	91.3	91.7
≥ 500	49.1	71.7	74.5	79.6	84.9	87.2	88.4	90.1	90.8	92.6	93.0	93.0	93.0	93.3	93.3	93.8
≥ 400	49.1	71.7	74.5	79.7	85.2	87.4	88.6	90.6	91.3	93.2	93.7	93.7	93.7	94.0	94.0	94.4
≥ 300	49.1	71.9	74.7	79.9	85.4	87.6	88.9	91.9	92.8	94.7	95.5	95.5	95.5	95.8	95.8	96.3
≥ 200	49.1	71.9	74.7	79.9	85.4	87.6	88.9	91.9	93.0	94.9	96.0	96.0	96.0	96.7	96.7	97.6
≥ 100	49.1	71.9	74.7	79.9	85.4	87.6	89.0	92.3	93.3	95.4	96.6	96.6	96.6	97.3	97.5	98.5
≥ 0	49.1	71.9	74.7	79.9	85.4	87.6	89.0	92.3	93.3	95.4	96.6	96.6	96.6	97.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1484C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	22.7	29.8	29.9	31.0	31.7	32.3	32.4	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9
≥ 20000	23.4	31.0	31.4	32.6	33.3	33.9	34.0	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.5
≥ 18000	23.4	31.0	31.4	32.6	33.3	34.0	34.1	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.6
≥ 16000	23.7	30.2	31.6	32.8	33.5	34.2	34.3	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.8
≥ 14000	24.0	30.6	32.0	33.2	34.0	34.6	34.7	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.3
≥ 12000	24.1	30.7	32.3	33.5	34.4	35.1	35.2	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.7
≥ 10000	25.7	33.1	34.5	36.0	36.9	37.5	37.6	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.2
≥ 9000	25.8	33.5	34.9	36.5	37.3	38.0	38.1	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.6
≥ 8000	27.1	35.1	36.5	38.2	39.1	39.8	39.9	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.4
≥ 7000	28.1	36.2	37.6	39.4	40.4	41.1	41.2	41.6	41.6	41.6	41.8	41.9	41.9	41.9	41.9	42.0
≥ 6000	29.5	38.1	39.5	41.3	42.4	43.3	43.3	43.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0
≥ 5000	30.4	39.4	41.0	43.0	44.2	44.9	45.1	45.5	45.7	45.7	45.9	45.9	45.8	45.8	45.8	45.9
≥ 4500	30.8	39.9	41.8	43.9	45.1	45.8	45.9	46.3	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.8
≥ 4000	31.3	40.9	43.1	45.3	46.5	47.2	47.3	47.7	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.2
≥ 3500	32.3	42.2	44.4	46.8	48.0	48.7	48.8	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.7
≥ 3000	32.9	44.0	46.3	49.2	51.0	52.2	52.4	52.8	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3
≥ 2500	34.5	46.2	49.0	52.2	54.3	55.6	55.9	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.1
≥ 2000	36.5	49.9	52.9	56.5	58.8	60.4	60.9	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.2
≥ 1800	36.9	50.9	53.9	57.4	60.1	61.7	62.2	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.4
≥ 1500	38.8	54.5	57.7	61.4	64.3	66.0	66.5	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.1
≥ 1200	40.4	58.0	61.6	66.0	69.1	71.0	71.9	73.2	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0
≥ 1000	41.0	60.0	64.4	69.6	73.5	75.6	76.7	78.1	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9
≥ 900	41.6	62.0	67.0	73.0	77.6	79.8	81.1	83.0	83.7	83.8	83.9	83.9	83.9	83.9	83.9	84.0
≥ 800	41.7	62.6	68.0	74.3	79.4	81.7	83.2	85.4	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.6
≥ 700	41.8	63.1	68.7	75.1	80.5	83.1	84.7	87.2	88.0	88.5	88.6	88.6	88.8	88.8	88.9	89.0
≥ 600	41.8	63.1	68.7	75.2	80.6	83.3	85.3	88.1	88.8	89.5	89.7	89.7	90.0	90.0	90.1	90.2
≥ 500	41.8	63.4	69.2	75.8	81.4	84.3	86.5	89.4	90.5	91.5	92.0	92.0	92.5	92.5	92.6	92.7
≥ 400	41.8	63.4	69.2	75.9	81.8	85.3	87.4	90.6	92.2	93.2	94.1	94.2	94.8	94.8	94.9	95.1
≥ 300	41.8	63.4	69.2	76.0	81.9	85.6	87.8	91.5	93.2	94.4	95.8	95.9	96.6	96.6	96.7	96.8
≥ 200	41.8	63.4	69.2	76.0	82.0	85.7	88.2	92.2	94.0	95.6	97.0	97.1	97.8	98.0	98.1	98.2
≥ 100	41.8	63.4	69.2	76.0	82.0	85.7	88.2	92.4	94.2	96.1	97.6	97.7	98.8	99.0	99.1	99.4
≥ 0	41.8	63.4	69.2	76.0	82.0	85.7	88.2	92.4	94.2	96.1	97.6	97.7	98.8	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13440
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	18.4	23.4	29.8	31.4	31.1	31.7	31.8	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	32.9
≥20000	19.1	29.9	31.5	32.5	33.1	33.8	33.9	34.5	34.7	34.7	34.8	34.8	34.9	35.1	35.1	35.1
≥18000	19.2	30.3	31.6	32.7	33.3	34.0	34.1	34.7	34.9	34.9	35.1	35.1	35.2	35.3	35.3	35.3
≥16000	19.2	30.1	31.7	32.8	33.4	34.1	34.2	34.8	35.1	35.1	35.2	35.2	35.3	35.4	35.4	35.4
≥14000	19.6	30.4	32.0	33.1	33.8	34.4	34.5	35.2	35.4	35.4	35.5	35.5	35.6	35.7	35.7	35.7
≥12000	20.1	31.5	33.3	34.5	35.2	35.8	35.9	36.6	36.8	36.8	36.9	36.9	37.0	37.1	37.1	37.1
≥10000	21.0	33.3	35.2	36.5	37.3	38.1	38.2	38.8	39.0	39.0	39.1	39.1	39.2	39.4	39.4	39.4
≥9000	21.3	34.0	35.8	37.1	38.0	38.7	38.8	39.5	39.7	39.7	39.8	39.8	39.9	40.0	40.0	40.0
≥8000	22.1	36.0	38.2	39.6	40.6	41.4	41.5	42.2	42.4	42.4	42.5	42.5	42.6	42.7	42.7	42.7
≥7000	23.0	36.0	40.2	41.6	42.8	43.5	43.7	44.3	44.5	44.5	44.6	44.6	44.7	44.8	44.8	44.8
≥6000	24.0	37.7	41.9	43.4	44.6	45.5	45.6	46.2	46.5	46.5	46.6	46.6	46.7	46.8	46.8	46.8
≥5000	24.4	40.3	42.6	44.2	45.6	46.7	46.8	47.4	47.6	47.6	47.7	47.7	47.8	48.0	48.0	48.0
≥4500	24.7	40.9	43.1	44.7	46.2	47.3	47.4	48.1	48.3	48.3	48.4	48.4	48.5	48.6	48.6	48.6
≥4000	24.8	41.6	44.0	45.8	47.4	48.5	48.9	49.6	49.9	49.9	50.0	50.0	50.1	50.2	50.2	50.2
≥3500	24.9	42.3	44.8	46.9	48.5	49.6	50.0	50.8	51.1	51.2	51.3	51.3	51.4	51.5	51.5	51.5
≥3000	25.6	43.7	46.5	48.6	50.3	51.4	51.9	52.7	53.1	53.3	53.5	53.5	53.7	53.8	53.8	53.8
≥2500	26.3	45.3	48.2	50.4	52.8	54.1	54.7	55.8	56.2	56.5	56.7	56.7	56.8	56.9	56.9	56.9
≥2000	28.3	48.6	52.2	54.8	57.7	59.2	60.1	61.6	62.2	62.7	62.9	62.9	63.0	63.1	63.1	63.1
≥1800	29.1	49.6	53.4	56.3	59.2	60.9	61.7	63.3	64.0	64.5	64.7	64.7	64.8	64.9	64.9	64.9
≥1500	30.3	52.7	57.3	60.6	64.1	65.9	67.0	68.8	69.6	70.4	70.9	70.9	71.0	71.1	71.1	71.1
≥1200	30.6	54.8	60.2	63.7	68.2	70.3	71.9	73.9	74.8	75.8	76.5	76.5	76.6	76.7	76.7	76.7
≥1000	30.9	56.5	62.3	66.2	71.7	74.1	75.7	78.0	78.9	80.2	81.1	81.1	81.2	81.3	81.3	81.3
≥900	31.1	57.5	63.9	68.0	74.2	77.0	78.7	81.2	82.5	84.0	84.6	84.6	84.8	84.9	85.1	85.1
≥800	31.4	58.5	65.1	69.5	76.2	79.1	81.0	83.4	84.9	86.6	87.4	87.4	87.5	87.6	87.6	87.6
≥700	31.4	58.5	65.3	69.9	77.0	80.1	82.2	84.9	86.5	88.2	89.2	89.2	89.6	89.8	89.8	89.8
≥600	31.4	58.7	65.6	70.6	78.1	81.4	83.8	87.3	88.9	90.8	92.0	92.0	92.7	92.9	92.9	92.9
≥500	31.4	58.7	65.6	70.8	78.6	82.2	85.5	89.6	91.3	93.3	94.8	95.1	96.0	96.2	96.2	96.2
≥400	31.4	58.7	65.6	70.8	78.6	82.3	85.6	89.8	91.6	94.3	95.8	96.0	97.1	97.3	97.4	97.4
≥300	31.4	58.7	65.6	70.8	78.6	82.3	85.6	90.1	92.0	94.7	97.2	97.4	98.5	98.7	98.8	98.8
≥200	31.4	58.7	65.6	70.8	78.6	82.3	85.6	90.3	92.3	95.1	97.5	97.7	98.8	99.1	99.2	99.2
≥100	31.4	58.7	65.6	70.8	78.6	82.3	85.6	90.3	92.3	95.1	97.5	97.7	98.9	99.2	99.4	99.6
≥0	31.4	58.7	65.6	70.8	78.6	82.3	85.6	90.3	92.3	95.1	97.5	97.7	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13240
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	21.6	30.6	31.3	32.0	33.3	33.3	33.5	33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000	24.4	34.4	35.4	36.4	37.8	37.8	38.2	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	24.9	35.3	35.9	36.9	38.3	38.3	38.6	38.8	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1
≥ 16000	24.8	35.3	35.9	36.9	38.3	38.3	38.6	38.8	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1
≥ 14000	25.3	35.7	36.3	37.3	38.7	38.7	39.0	39.2	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6
≥ 12000	25.7	36.0	37.4	38.4	39.9	39.9	40.2	40.4	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8
≥ 10000	26.9	38.5	39.2	40.4	41.9	41.9	42.3	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8
≥ 9000	27.4	39.7	40.5	41.7	43.2	43.2	43.5	43.8	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1
≥ 8000	29.3	43.4	44.3	45.5	47.0	47.0	47.3	47.5	47.5	47.5	47.8	47.8	47.8	47.8	47.8	47.8
≥ 7000	31.0	44.5	46.0	47.4	48.9	48.9	49.2	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000	31.0	46.1	47.3	48.7	50.2	50.2	50.5	50.8	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	31.7	46.7	47.8	49.5	51.0	51.0	51.3	51.5	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8
≥ 4500	31.8	47.0	48.4	50.2	51.8	51.8	52.2	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4000	32.4	48.1	49.7	51.8	53.8	53.8	54.1	54.3	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6
≥ 3500	33.2	49.2	50.9	53.3	55.5	55.5	55.9	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5
≥ 3000	34.6	51.5	53.2	55.9	58.4	58.4	58.8	59.1	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6
≥ 2500	36.0	54.2	56.1	58.7	61.6	61.6	62.3	62.6	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1
≥ 2000	38.5	57.5	60.4	63.4	66.2	66.2	67.2	67.5	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1800	39.2	58.9	61.7	64.9	67.8	68.1	68.8	69.1	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8
≥ 1500	40.4	62.3	66.2	70.3	73.4	73.8	74.6	75.2	75.5	75.6	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1200	41.4	65.2	70.5	75.5	78.9	79.4	80.3	80.9	81.2	81.4	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	41.4	65.7	71.4	76.7	80.6	81.4	82.6	83.1	83.5	83.9	84.4	84.4	84.5	84.5	84.5	84.5
≥ 900	41.6	66.3	72.3	78.1	82.5	83.5	85.1	85.7	86.2	87.0	87.5	87.5	87.7	87.7	87.7	87.7
≥ 800	41.6	66.3	72.7	78.6	83.7	84.8	86.5	87.4	88.3	89.2	89.9	89.9	90.1	90.1	90.1	90.1
≥ 700	41.6	66.8	72.8	79.0	84.5	85.9	88.1	89.4	90.3	91.4	92.0	92.0	92.3	92.3	92.3	92.3
≥ 600	41.6	66.8	72.9	79.2	85.4	86.8	89.0	90.4	91.6	92.7	93.5	93.7	94.0	94.0	94.0	94.0
≥ 500	41.6	66.9	73.0	79.4	86.0	87.7	90.6	92.4	93.7	94.8	95.8	95.8	96.6	96.6	96.6	96.6
≥ 400	41.6	66.9	73.0	79.5	86.1	87.8	91.4	93.3	94.7	96.0	97.2	97.3	98.2	98.2	98.2	98.2
≥ 300	41.6	66.9	73.0	79.5	86.1	87.8	91.4	93.5	95.1	96.6	97.8	98.0	98.9	99.0	99.0	99.0
≥ 200	41.6	66.9	73.0	79.5	86.1	87.8	91.4	93.7	95.2	96.7	98.1	98.2	99.2	99.4	99.4	99.4
≥ 100	41.6	66.9	73.0	79.5	86.1	87.8	91.4	93.7	95.2	96.7	98.1	98.2	99.2	99.5	99.6	99.7
≥ 0	41.6	66.9	73.0	79.5	86.1	87.8	91.4	93.7	95.2	96.7	98.1	98.2	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0321

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1344
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

08-70,73-79
FAZ

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	25.2	35.2	36.3	36.8	37.4	37.4	37.5	37.5	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	28.4	38.6	39.8	40.3	41.2	41.2	41.3	41.3	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000	28.6	38.6	40.0	40.5	41.4	41.4	41.5	41.5	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	28.7	38.9	40.1	40.6	41.5	41.5	41.6	41.6	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	29.2	39.2	40.4	41.1	41.9	41.9	42.0	42.0	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4
≥ 12000	30.4	41.3	42.5	43.1	44.3	44.3	44.4	44.4	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	32.2	43.9	45.1	45.7	46.6	46.9	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 9000	32.9	44.7	45.9	46.6	47.4	47.7	47.8	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
≥ 8000	34.0	47.6	49.8	49.6	50.4	50.8	50.9	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	36.0	49.1	50.8	51.5	52.4	52.7	52.9	52.9	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	36.9	50.0	51.7	52.5	53.3	53.7	53.9	53.9	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	37.3	50.5	52.4	53.1	54.0	54.3	54.5	54.5	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4500	37.7	51.2	53.0	53.8	54.6	54.9	55.2	55.2	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4000	38.2	51.9	53.9	55.2	56.0	56.3	56.6	56.6	56.6	56.6	56.7	56.9	56.9	56.9	56.9	56.9
≥ 3500	38.6	52.9	54.9	56.2	57.2	57.5	57.7	57.7	57.7	57.7	57.8	58.1	58.1	58.1	58.1	58.1
≥ 3000	40.0	54.9	57.1	58.8	59.9	60.4	60.8	60.8	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1
≥ 2500	42.4	59.1	61.3	63.2	64.5	65.1	65.4	65.5	65.5	65.5	65.6	65.8	65.8	65.8	65.8	65.8
≥ 2000	44.4	63.1	65.9	68.2	69.7	70.2	70.9	71.0	71.0	71.0	71.4	71.6	71.6	71.6	71.6	71.7
≥ 1800	45.4	64.7	67.6	70.1	71.7	72.4	73.0	73.1	73.1	73.1	73.5	73.8	73.8	73.8	73.8	73.9
≥ 1500	46.3	67.3	71.1	74.6	76.2	77.1	77.8	78.1	78.1	78.1	78.5	78.6	78.6	78.9	78.9	79.0
≥ 1200	46.3	68.8	73.5	78.4	80.1	81.1	81.9	82.2	82.3	82.3	82.6	82.9	82.9	83.0	83.0	83.1
≥ 1000	46.3	69.1	74.6	80.1	82.2	83.3	84.5	84.7	85.2	85.2	85.4	85.7	85.7	85.8	85.8	85.9
≥ 900	46.3	69.2	74.8	80.9	83.1	84.4	85.9	86.5	87.0	87.0	87.5	88.0	88.0	88.4	88.4	88.5
≥ 800	46.3	69.6	75.3	81.6	84.1	85.5	87.0	88.1	88.7	88.7	89.5	90.0	90.1	90.6	90.6	90.8
≥ 700	46.3	69.8	75.5	82.0	85.1	86.7	88.4	89.8	90.4	91.3	91.8	91.9	92.6	92.6	92.7	92.7
≥ 600	46.3	69.9	75.6	82.4	85.6	87.4	89.2	91.0	91.7	92.7	93.3	93.5	94.3	94.3	94.4	94.4
≥ 500	46.5	70.1	75.8	82.6	85.8	87.7	89.7	91.7	92.5	93.4	94.4	94.8	96.0	96.1	96.2	96.2
≥ 400	46.5	70.1	75.8	82.6	85.8	87.7	89.7	92.0	93.1	94.2	95.3	95.9	97.1	97.3	97.4	97.4
≥ 300	46.6	70.2	76.0	82.9	86.1	88.1	90.2	92.4	93.3	94.9	96.0	96.7	98.3	98.6	98.8	98.8
≥ 200	46.6	70.2	76.0	82.9	86.1	88.1	90.2	92.4	93.3	95.1	96.6	97.2	98.9	99.2	99.6	99.6
≥ 100	46.6	70.2	76.0	82.9	86.1	88.1	90.2	92.4	93.3	95.1	96.6	97.2	98.9	99.2	99.6	99.7
≥ 0	46.6	70.2	76.0	82.9	86.1	88.1	90.2	92.4	93.3	95.1	96.6	97.2	98.9	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1734J
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS EST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING	27.0	34.6	35.4	36.3	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	29.3	33.4	38.7	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	29.9	38.1	39.8	39.8	41.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000	30.0	38.2	38.9	39.9	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000	30.2	38.0	39.4	40.3	41.5	40.9	40.9	40.9	42.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000	31.4	40.1	41.7	41.9	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	33.4	43.1	44.0	44.9	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 9000	34.5	44.6	45.5	46.6	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	37.4	47.6	48.5	49.0	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 7000	38.5	49.2	50.2	51.8	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	39.4	51.8	51.6	53.2	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 5000	40.3	51.8	53.0	54.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4500	40.4	52.4	53.5	55.2	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4000	41.1	53.7	54.8	56.7	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 3500	42.3	55.1	56.2	58.1	59.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3000	43.7	56.9	58.1	60.2	61.1	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2500	46.2	60.6	62.3	64.8	65.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 2000	48.8	64.8	67.2	70.2	71.3	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1800	49.8	66.5	69.0	72.0	73.3	74.4	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	51.1	70.2	73.3	76.7	78.2	79.4	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1200	51.5	72.2	76.0	79.8	81.6	82.9	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1000	51.9	73.0	77.2	81.3	83.8	85.3	86.5	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 900	51.9	73.3	77.7	82.0	84.8	86.6	87.8	88.5	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 800	51.9	73.7	78.1	82.6	85.7	87.4	88.7	89.5	89.7	90.1	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700	51.9	73.8	78.2	82.8	86.2	88.1	89.4	90.3	90.6	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	51.9	74.1	78.5	83.1	87.0	88.8	90.3	91.5	91.8	92.5	92.9	92.9	93.1	93.1	93.1	93.1
≥ 500	51.9	74.2	78.6	83.4	87.6	89.7	91.6	92.9	93.4	94.3	95.2	95.2	95.5	95.5	95.5	95.5
≥ 400	51.9	74.3	78.7	83.5	87.8	90.2	92.4	94.2	94.8	95.9	97.0	97.0	97.3	97.5	97.6	97.6
≥ 300	51.9	74.3	78.7	83.5	88.0	90.3	92.5	94.3	95.3	96.5	97.7	97.7	98.3	98.5	98.6	98.6
≥ 200	51.9	74.3	78.7	83.5	88.0	90.3	92.5	94.4	95.5	96.7	98.3	98.3	99.0	99.2	99.5	99.5
≥ 100	51.9	74.3	78.7	83.5	88.0	90.3	92.5	94.4	95.5	96.7	98.3	98.3	99.0	99.2	99.6	99.7
≥ 0	51.9	74.3	78.7	83.5	88.0	90.3	92.5	94.4	95.5	96.7	98.3	98.3	99.0	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13847
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

AS-70,73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	20.9	35.4	35.6	36.0	36.8	36.0	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	31.1	36.9	37.1	37.5	38.4	38.5	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 18000	31.2	37.1	37.2	37.6	38.5	38.6	39.0	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	31.5	37.3	37.5	38.0	38.8	38.9	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000	31.6	37.4	37.6	38.1	38.9	39.0	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	32.3	38.6	38.8	39.2	40.1	40.2	40.6	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000	33.5	40.2	40.4	40.9	41.7	41.8	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	34.7	41.4	41.6	42.0	42.9	43.0	43.4	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 8000	38.1	44.9	45.2	45.9	46.8	46.9	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 7000	39.5	46.6	46.8	47.5	48.4	48.5	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 6000	41.3	48.4	48.7	49.5	50.3	50.4	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 5000	42.5	50.4	50.9	51.5	52.4	52.5	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	43.5	51.6	51.9	52.7	53.5	53.8	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4000	44.3	53.1	53.7	54.7	55.7	55.9	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3500	45.8	54.9	55.7	57.0	58.0	58.2	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 3000	46.7	56.7	59.6	61.9	61.8	62.0	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 2500	50.5	62.3	63.3	64.9	66.1	66.3	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2000	53.2	66.7	67.9	69.5	70.8	71.3	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	54.3	69.9	70.2	71.8	73.5	74.1	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1500	56.0	71.8	73.4	75.5	77.6	78.2	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1200	56.5	73.1	75.9	78.2	80.8	81.5	82.4	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	57.4	74.9	78.3	80.4	83.9	84.6	85.7	86.2	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	57.5	75.2	78.7	81.5	85.4	86.5	87.7	88.4	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800	57.5	76.3	79.9	82.9	87.2	88.3	89.8	90.0	91.2	91.7	92.1	92.0	92.0	92.0	92.0	92.0
≥ 700	57.5	76.3	80.3	83.4	88.0	89.0	90.8	91.7	92.4	92.8	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	57.5	76.5	80.4	83.8	89.0	90.1	91.8	93.2	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500	57.5	76.5	80.5	83.9	89.4	90.4	92.3	93.9	94.7	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	57.5	76.5	80.5	83.9	89.5	90.6	92.7	94.5	95.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	57.5	76.5	80.5	83.9	89.7	91.0	92.9	94.9	96.2	97.1	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	57.5	76.5	80.5	83.9	89.7	91.0	92.9	95.1	96.5	97.3	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	57.5	76.5	80.5	83.9	89.7	91.0	92.9	95.1	96.5	97.3	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	57.5	76.5	80.5	83.9	89.7	91.0	92.9	95.1	96.5	97.3	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840

WRIGHT-PATTERSON AFB OH

66-70,73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS TEST

CEILING (FEET)	VISIBILITY STATISTICS															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 20000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 18000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 16000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 14000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 12000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 10000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 9000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 8000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 7000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 6000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 5000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 4500	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 4000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 3500	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 3000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 2500	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 2000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 1800	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 1500	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 1200	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 1000	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 900	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 800	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 700	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 600	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 500	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 400	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 300	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 200	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 100	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9
≥ 0	24.5	31.8	32.7	33.2	33.9	34.2	34.4	34.6	34.7	34.7	34.7	34.7	34.8	34.8	34.9	34.9

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

65-79,73-79
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS 1ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	36.2	42.2	43.6	44.3	45.6	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	38.1	44.4	45.9	46.6	47.9	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	38.2	44.6	46.0	46.7	48.0	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 16000	38.4	44.8	46.2	46.9	48.2	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	38.9	45.4	46.7	47.5	48.8	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000	39.6	46.5	48.2	48.9	51.2	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	41.3	49.2	51.1	51.8	53.1	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	41.6	49.6	51.7	52.4	53.7	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	43.3	51.5	53.5	54.3	55.6	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 7000	44.7	53.2	55.2	55.9	57.3	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 6000	46.5	55.6	57.5	58.3	59.7	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000	48.3	57.9	59.9	60.8	62.3	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	49.9	60.3	62.3	63.2	64.8	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	52.1	63.2	65.2	66.2	68.0	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	53.1	65.1	67.1	68.1	70.2	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	55.7	68.7	71.7	72.7	74.2	74.7	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	57.0	71.3	73.4	74.8	77.2	77.8	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	58.6	73.8	76.0	77.5	79.9	80.5	81.7	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	59.1	74.3	76.6	78.1	80.7	81.3	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	60.9	77.7	79.9	81.7	84.8	85.6	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	61.6	79.6	82.4	84.9	88.1	88.9	89.4	89.7	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	62.2	81.1	83.9	86.5	90.3	91.1	91.8	92.3	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.1
≥ 900	62.4	81.3	84.1	86.9	90.9	91.7	92.4	92.9	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7
≥ 800	62.6	82.0	84.8	87.8	92.1	92.9	94.0	94.4	94.9	95.0	95.2	95.2	95.3	95.3	95.3	95.3
≥ 700	62.8	82.3	85.1	88.3	92.9	93.7	95.0	95.6	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.5
≥ 600	62.8	82.3	85.1	88.3	92.9	93.9	95.2	95.9	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8
≥ 500	62.8	82.4	85.1	88.4	93.1	94.1	95.6	96.5	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6
≥ 400	62.8	82.4	85.1	88.4	93.1	94.3	95.9	96.8	97.6	97.9	98.2	98.2	98.3	98.3	98.3	98.3
≥ 300	62.8	82.4	85.1	88.4	93.1	94.3	95.9	96.8	97.8	98.1	98.7	98.7	98.8	98.8	98.8	98.8
≥ 200	62.8	82.4	85.1	88.4	93.1	94.3	95.9	96.8	97.8	98.1	98.7	99.1	99.2	99.4	99.4	99.5
≥ 100	62.8	82.4	85.1	88.4	93.1	94.3	95.9	96.8	97.8	98.1	98.7	99.1	99.2	99.4	99.4	99.6
≥ 0	62.8	82.4	85.1	88.4	93.1	94.3	95.9	96.8	97.8	98.1	98.7	99.1	99.2	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

63-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING	35.5	42.5	41.5	42.1	43.3	44.1	44.6	44.7	44.7	44.7	44.7	44.3	44.8	44.8	44.8	45.1
≥ 20000	36.9	42.0	42.4	43.6	44.8	45.6	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.6
≥ 18000	37.3	42.1	43.3	43.7	44.9	45.7	46.2	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.7
≥ 16000	37.1	42.2	43.1	43.9	45.0	45.9	46.3	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.8
≥ 14000	37.2	42.3	43.3	44.3	45.2	46.0	46.5	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.9
≥ 12000	38.4	44.3	45.3	45.7	47.0	47.9	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.8
≥ 10000	39.7	46.5	47.0	47.8	49.1	49.9	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.8
≥ 9000	40.4	46.9	48.1	48.8	50.1	50.9	51.4	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.9
≥ 8000	42.3	46.9	50.1	50.9	52.2	53.1	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	54.1
≥ 7000	43.3	50.8	52.0	53.1	54.4	55.2	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.3
≥ 6000	44.6	52.0	53.3	54.4	55.8	56.7	57.3	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.8
≥ 5000	46.8	54.8	56.1	57.2	58.6	59.7	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.8
≥ 4500	47.6	56.0	57.7	58.7	60.2	61.2	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.3
≥ 4000	48.1	59.0	60.6	61.7	63.2	64.5	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.6
≥ 3500	51.9	61.5	62.7	63.4	64.9	66.2	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.3
≥ 3000	53.1	62.8	64.4	65.8	67.7	69.3	69.6	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	70.1
≥ 2500	64.1	65.5	67.3	69.3	71.5	73.0	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.1
≥ 2000	66.3	68.6	70.8	73.0	75.5	77.2	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.3
≥ 1800	67.2	70.3	72.3	74.9	77.7	79.3	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.4
≥ 1600	68.2	72.1	74.1	77.0	79.9	81.8	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.9
≥ 1200	69.3	74.5	77.0	80.0	83.2	85.1	85.7	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.5
≥ 1000	69.9	77.3	79.9	83.2	86.9	88.9	89.8	90.3	90.4	90.5	90.7	90.7	91.7	90.7	90.7	90.9
≥ 900	61.4	77.4	80.5	83.9	87.6	89.7	90.8	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.8
≥ 800	61.2	78.3	81.3	84.8	89.0	91.1	92.4	93.0	93.1	93.6	93.7	93.7	93.7	93.7	93.7	94.0
≥ 700	61.6	79.0	82.2	85.9	91.3	92.4	94.0	94.8	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.7
≥ 600	61.9	79.4	82.6	86.4	91.9	93.0	94.6	95.4	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.3
≥ 500	61.4	79.6	82.7	86.8	91.3	93.4	95.0	96.0	96.3	96.9	97.0	97.0	97.0	97.0	97.2	97.4
≥ 400	61.9	79.6	82.7	86.8	91.3	93.4	95.2	96.3	96.9	97.5	97.6	97.6	97.6	97.6	97.8	98.0
≥ 300	61.9	79.6	82.7	86.9	91.4	93.6	95.4	96.6	97.3	98.0	98.2	98.2	98.2	98.2	98.3	98.6
≥ 200	61.9	79.6	82.7	86.9	91.4	93.6	95.4	96.7	97.4	98.1	98.3	98.3	98.3	98.6	98.8	99.1
≥ 100	61.9	79.6	82.7	86.9	91.4	93.6	95.4	96.7	97.4	98.1	98.5	98.5	98.5	98.7	98.9	99.5
≥ 0	61.9	79.6	82.7	86.9	91.4	93.6	95.4	96.7	97.4	98.1	98.5	98.5	98.8	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12540
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	24.6	36.3	37.5	38.8	39.5	40.7	41.3	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	29.9	37.7	39.1	40.3	41.0	42.2	42.8	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	29.9	37.7	39.1	40.3	41.0	42.2	42.8	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 16000	29.9	37.7	39.1	40.3	41.0	42.2	42.8	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 14000	30.1	38.1	39.4	40.7	41.4	42.6	43.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 12000	30.9	39.1	40.4	41.7	42.4	43.6	44.2	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 10000	32.4	41.3	42.6	43.9	44.6	45.7	46.3	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	32.7	41.6	42.9	44.2	44.9	46.1	46.7	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 8000	34.2	43.4	45.0	46.3	47.0	48.2	48.8	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 7000	35.5	45.3	46.9	48.2	48.9	50.2	50.8	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 6000	36.9	47.3	48.9	50.2	50.9	52.2	52.8	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000	38.3	50.5	52.4	53.8	54.5	55.8	56.4	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	39.2	51.2	53.2	54.8	55.8	57.1	57.7	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	40.7	52.7	54.8	57.1	58.3	59.7	60.4	61.6	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	42.2	55.2	57.4	59.9	61.2	62.6	63.5	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3000	43.5	56.7	59.1	61.6	62.9	64.4	65.2	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 2500	45.4	60.0	62.4	65.5	66.9	68.4	69.3	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 2000	47.3	62.2	64.9	68.3	69.9	71.4	72.5	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1800	47.9	63.8	66.7	70.2	72.0	73.5	74.6	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1500	49.4	67.0	70.2	74.5	76.8	78.5	79.6	81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	49.9	68.8	72.2	76.8	79.6	81.2	82.4	84.0	84.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	51.3	71.2	74.7	79.8	83.0	84.6	86.2	87.8	87.9	88.5	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	51.4	71.5	75.4	81.0	84.8	86.4	88.2	89.8	90.0	90.5	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	51.5	71.9	76.0	81.6	85.7	87.5	89.5	91.1	91.3	91.8	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	51.3	72.3	76.5	82.6	87.4	89.1	91.4	93.4	93.7	94.3	94.7	94.7	94.8	94.8	94.8	94.8
≥ 600	52.1	72.8	77.0	83.2	87.9	89.8	92.3	94.3	94.7	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 500	52.1	73.0	77.3	83.6	88.5	90.4	93.0	95.0	95.5	96.2	96.9	96.8	97.3	97.3	97.3	97.4
≥ 400	52.1	73.0	77.3	83.6	88.5	90.5	93.3	95.4	95.9	96.7	97.3	97.3	97.9	97.9	97.9	98.0
≥ 300	52.1	73.0	77.3	83.6	88.5	90.5	93.4	95.5	96.1	96.9	97.5	97.5	98.2	98.3	98.3	98.6
≥ 200	52.1	73.0	77.3	83.7	88.7	90.7	93.5	95.6	96.2	97.0	97.8	97.8	98.7	98.8	98.9	99.3
≥ 100	52.1	73.0	77.3	83.7	88.7	90.7	93.5	95.6	96.2	97.0	97.9	97.9	98.8	98.9	99.2	99.6
≥ 0	52.1	73.0	77.3	83.7	88.7	90.7	93.5	95.6	96.2	97.0	97.9	97.9	98.8	98.9	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 816

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13841
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

58-70,73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING	26.1	36.5	37.5	38.5	39.7	40.3	41.5	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	27.9	38.5	40.1	41.1	42.4	43.0	44.2	44.9	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	28.1	38.8	40.7	41.4	42.7	43.3	44.4	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5
≥ 16000	28.1	38.8	40.7	41.4	42.7	43.3	44.4	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5
≥ 14000	28.1	40.7	41.5	42.6	43.9	44.4	45.6	46.3	46.3	46.6	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	29.0	40.7	42.2	43.4	44.7	45.3	46.5	47.2	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	29.0	42.6	44.1	45.3	46.7	47.4	48.6	49.4	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥ 9000	30.1	43.1	44.7	46.0	47.4	48.3	49.5	50.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	31.0	45.0	46.8	47.9	49.4	50.4	51.5	52.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 7000	31.3	45.0	47.5	48.8	50.4	51.3	52.5	53.3	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7
≥ 6000	31.9	47.0	48.8	50.1	51.7	52.6	53.8	54.6	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0
≥ 5000	33.1	49.5	51.1	52.8	54.4	55.3	56.5	57.3	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	33.3	50.2	51.9	53.9	55.8	56.7	57.9	58.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4000	33.9	51.7	53.3	55.6	57.7	58.9	60.2	61.0	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	35.0	53.7	55.6	57.8	59.9	61.1	62.5	63.6	63.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	36.4	55.3	57.4	59.7	61.9	63.1	64.5	65.7	65.8	66.3	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500	38.8	53.5	60.8	63.2	65.8	67.1	68.6	69.9	70.0	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2000	40.5	61.7	64.1	67.0	69.7	71.2	72.7	74.0	74.1	74.8	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1800	40.8	62.5	65.2	68.2	71.0	72.5	74.0	75.3	75.4	76.2	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1500	42.0	65.2	68.4	72.5	75.9	77.3	79.0	81.4	80.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	42.3	67.5	70.9	75.5	79.6	81.1	82.7	84.5	84.8	85.8	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	42.4	68.1	71.9	76.8	80.9	82.7	84.6	86.5	86.8	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	42.6	68.3	72.6	77.7	81.7	83.9	86.2	88.2	88.4	89.6	90.4	90.5	90.5	90.5	90.7	90.7
≥ 800	42.7	68.6	73.0	78.6	83.1	85.5	88.3	90.7	90.9	92.3	93.1	93.3	93.5	93.5	93.6	93.6
≥ 700	42.7	68.8	73.5	79.1	83.9	86.3	89.4	92.0	92.2	93.7	94.6	94.9	95.2	95.2	95.3	95.3
≥ 600	42.7	68.9	73.6	79.3	84.3	86.6	89.8	92.6	92.8	94.3	95.3	95.6	95.9	95.9	96.0	96.0
≥ 500	42.7	69.0	74.0	79.7	84.9	87.5	90.7	93.6	94.0	95.9	97.0	97.4	97.8	97.8	97.9	97.9
≥ 400	42.7	69.0	74.0	79.7	84.9	87.6	91.1	94.3	94.7	96.7	98.0	98.3	98.7	98.9	99.1	99.1
≥ 300	42.7	69.0	74.0	79.7	84.9	87.6	91.1	94.4	94.8	96.9	98.3	98.7	99.2	99.4	99.5	99.6
≥ 200	42.7	69.0	74.0	79.7	84.9	87.6	91.1	94.4	94.8	96.9	98.3	98.7	99.2	99.4	99.8	99.9
≥ 100	42.7	69.0	74.0	79.7	84.9	87.6	91.1	94.4	94.8	96.9	98.3	98.7	99.2	99.4	99.8	99.9
≥ 0	42.7	69.0	74.0	79.7	84.9	87.6	91.1	94.4	94.8	96.9	98.3	98.7	99.2	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	32.3	39.4	41.9	42.1	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	43.9	41.6	43.3	44.4	45.3	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 18000	33.9	41.6	43.3	44.4	45.4	45.5	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 16000	33.9	41.7	43.4	44.6	45.5	45.6	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	34.2	42.3	44.1	45.2	45.1	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	35.0	43.0	45.3	46.5	47.4	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	37.0	47.3	49.1	50.2	51.3	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	37.6	48.3	50.2	51.4	52.6	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 8000	37.9	49.6	51.5	52.7	53.9	54.0	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 7000	38.8	50.6	52.5	53.7	54.8	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	39.1	51.3	53.2	54.6	55.9	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 5000	39.5	52.2	54.1	55.6	56.9	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	39.7	52.5	54.6	56.1	57.6	57.9	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 4000	40.7	54.1	56.6	58.2	60.0	60.4	60.8	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1
≥ 3500	42.3	56.5	59.1	60.9	62.8	63.1	63.5	63.6	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8
≥ 3000	44.2	59.2	61.9	63.9	66.0	66.3	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0
≥ 2500	46.9	63.6	66.4	68.6	70.6	71.0	71.4	71.9	71.9	72.1	72.1	72.1	72.3	72.3	72.3	72.3
≥ 2000	50.2	68.7	71.9	74.8	77.7	78.1	78.5	79.0	79.0	79.4	79.8	79.8	80.0	80.0	80.0	80.0
≥ 1800	50.8	69.6	73.0	76.1	79.0	79.4	79.8	80.3	80.3	80.7	81.1	81.1	81.3	81.3	81.3	81.3
≥ 1500	52.5	73.0	77.1	80.5	83.6	84.3	84.9	85.5	85.6	86.1	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	52.8	74.8	79.4	83.6	86.8	87.6	88.4	89.1	89.2	89.7	90.2	90.2	90.4	90.4	90.4	90.4
≥ 1000	53.0	75.9	80.6	84.9	88.3	89.1	90.0	90.8	90.9	91.4	92.0	92.0	92.3	92.3	92.3	92.3
≥ 900	53.0	76.0	81.0	85.9	89.7	90.5	91.4	92.2	92.3	92.8	93.5	93.5	93.9	94.0	94.0	94.0
≥ 800	53.0	76.1	81.2	86.3	90.3	91.3	92.1	93.3	93.4	93.9	94.7	94.7	95.2	95.3	95.3	95.3
≥ 700	53.0	76.2	81.4	86.8	91.1	92.1	93.0	94.6	94.7	95.2	96.0	96.0	96.5	96.6	96.6	96.6
≥ 600	53.0	76.2	81.7	87.4	92.1	93.3	94.2	96.1	96.3	96.8	97.6	97.6	98.1	98.2	98.2	98.2
≥ 500	53.0	76.2	81.7	87.4	92.2	93.4	94.7	96.7	97.0	97.5	98.3	98.5	99.2	99.3	99.3	99.4
≥ 400	53.0	76.2	81.7	87.4	92.2	93.6	94.9	96.9	97.3	97.8	98.7	98.8	99.6	99.9	99.9	100.0
≥ 300	53.0	76.2	81.7	87.4	92.2	93.6	94.9	96.9	97.3	97.8	98.7	98.8	99.6	99.9	99.9	100.0
≥ 200	53.0	76.2	81.7	87.4	92.2	93.6	94.9	96.9	97.3	97.8	98.7	98.8	99.6	99.9	99.9	100.0
≥ 100	53.0	76.2	81.7	87.4	92.2	93.6	94.9	96.9	97.3	97.8	98.7	98.8	99.6	99.9	99.9	100.0
≥ 0	53.0	76.2	81.7	87.4	92.2	93.6	94.9	96.9	97.3	97.8	98.7	98.8	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	23.6	39.9	41.1	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	25.1	42.7	44.3	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	35.1	42.7	44.3	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	35.1	42.7	44.3	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 14000	36.4	42.7	45.0	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	37.4	43.6	47.3	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	39.2	49.2	50.4	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 9000	40.3	50.3	52.4	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	41.3	52.6	54.3	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 7000	42.6	54.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	43.5	55.6	57.3	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	44.3	56.9	58.9	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	45.6	58.4	60.4	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	47.4	61.1	63.2	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	49.8	63.7	65.8	66.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	51.1	65.8	68.0	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500	53.2	69.7	72.1	73.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000	55.2	75.3	78.3	79.4	81.0	81.2	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9
≥ 1800	55.3	76.0	79.3	81.9	82.5	82.7	83.1	83.2	83.3	83.3	83.5	83.5	83.6	83.6	83.6	83.6
≥ 1500	56.7	78.0	81.4	83.2	85.1	85.5	86.4	86.6	87.0	87.0	87.1	87.1	87.4	87.4	87.4	87.4
≥ 1200	58.4	79.2	82.7	85.1	87.8	88.5	89.6	90.2	90.4	90.4	90.5	90.5	90.8	90.8	90.8	90.8
≥ 1000	56.6	80.0	83.7	86.1	89.5	90.2	91.3	92.1	92.4	92.6	92.7	92.9	93.1	93.1	93.1	93.1
≥ 900	56.6	80.0	83.9	86.3	90.2	91.0	92.1	93.1	93.5	93.7	93.9	94.1	94.3	94.3	94.3	94.3
≥ 800	56.6	80.1	84.1	86.6	90.5	91.5	92.6	93.7	94.1	94.6	94.9	95.2	95.4	95.4	95.4	95.4
≥ 700	56.6	80.1	84.3	86.9	91.0	92.0	93.0	94.2	94.6	95.0	95.4	95.6	95.9	95.9	95.9	95.9
≥ 600	56.6	80.1	84.3	87.0	91.4	92.4	93.7	95.0	95.4	96.0	96.3	96.6	96.9	96.9	96.9	96.9
≥ 500	56.6	80.1	84.3	87.1	91.7	93.1	94.4	96.1	96.7	97.6	98.1	98.3	98.9	99.1	99.1	99.1
≥ 400	56.6	80.1	84.3	87.2	92.1	93.5	94.9	96.7	97.3	98.2	98.7	98.9	99.6	99.8	99.9	99.9
≥ 300	56.6	80.1	84.3	87.2	92.1	93.5	94.9	96.7	97.3	98.2	98.7	98.9	99.6	99.8	100.0	100.0
≥ 200	56.6	80.1	84.3	87.2	92.1	93.5	94.9	96.7	97.3	98.2	98.7	98.9	99.6	99.8	100.0	100.0
≥ 100	56.6	80.1	84.3	87.2	92.1	93.5	94.9	96.7	97.3	98.2	98.7	98.9	99.6	99.8	100.0	100.0
≥ 0	56.6	80.1	84.3	87.2	92.1	93.5	94.9	96.7	97.3	98.2	98.7	98.9	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1954
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-71, 73-79
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	38.4	43.3	44.1	44.1	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 18000	40.9	47.5	48.3	48.3	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	40.9	47.5	48.3	48.3	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	41.5	48.2	49.1	49.1	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	42.0	48.7	49.5	49.5	51.1	51.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	43.4	51.7	52.5	52.5	57.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	44.6	53.5	54.4	54.4	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 8000	46.5	56.6	57.4	57.4	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	47.6	58.3	59.1	59.1	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	48.4	59.1	59.9	59.9	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	49.4	61.6	62.4	62.6	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	51.2	63.7	64.5	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4000	52.2	65.5	66.3	66.5	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	53.7	67.4	68.4	68.6	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	56.3	70.6	71.9	72.3	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2500	57.6	73.4	74.9	75.4	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	58.6	76.4	78.3	79.0	80.1	80.9	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.6	81.6	81.6
≥ 1800	59.6	78.1	80.1	80.9	82.0	82.7	82.7	83.0	83.2	83.3	83.3	83.3	83.3	83.5	83.5	83.5
≥ 1500	60.5	80.1	82.5	84.0	85.6	86.6	87.4	87.6	87.8	88.1	88.1	88.1	88.1	88.2	88.2	88.2
≥ 1200	60.9	81.4	84.2	85.8	87.7	89.0	90.1	90.4	90.7	91.0	91.0	91.0	91.0	91.1	91.1	91.1
≥ 1000	61.0	82.2	85.1	86.8	88.8	90.3	91.5	92.1	92.4	92.9	92.9	92.9	92.9	93.0	93.0	93.0
≥ 900	61.0	82.4	85.2	87.1	89.1	90.7	91.8	92.4	92.8	93.4	93.4	93.4	93.4	93.6	93.6	93.6
≥ 800	61.0	82.7	85.6	87.5	89.6	91.1	92.3	92.9	93.3	94.3	94.3	94.3	94.3	94.6	94.6	94.6
≥ 700	61.0	82.7	85.7	87.7	89.8	91.5	92.8	93.5	93.9	94.9	94.9	94.9	94.9	95.3	95.3	95.3
≥ 600	61.0	82.7	85.8	87.9	90.5	92.4	93.9	94.7	95.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7
≥ 500	61.0	83.0	86.1	88.3	90.9	93.3	94.9	95.7	96.8	98.1	98.2	98.2	98.2	98.6	98.7	98.8
≥ 400	61.0	83.0	86.1	88.3	90.9	93.4	95.3	96.2	97.4	98.7	98.8	98.8	98.8	99.2	99.5	99.6
≥ 300	61.0	83.0	86.1	88.3	90.9	93.4	95.3	96.2	97.5	98.8	98.9	98.9	99.1	99.4	99.8	99.9
≥ 200	61.0	83.0	86.1	88.3	90.9	93.4	95.3	96.2	97.5	98.8	99.1	99.1	99.2	99.5	99.9	100.0
≥ 100	61.0	83.0	86.1	88.3	90.9	93.4	95.3	96.2	97.5	98.8	99.1	99.1	99.2	99.5	99.9	100.0
≥ 0	61.0	83.0	86.1	88.3	90.9	93.4	95.3	96.2	97.5	98.8	99.1	99.1	99.2	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ABC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS CST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .16	≥ .1
NO CEILING	47.7	47.8	48.7	48.5	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	41.8	49.5	49.9	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	42.3	49.6	50.7	50.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	42.3	49.6	50.0	50.5	51.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	42.2	50.3	50.5	50.9	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	43.0	51.2	51.7	52.1	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	44.4	54.4	54.8	55.3	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	45.2	55.1	55.6	56.0	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	46.5	56.6	57.1	57.6	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	48.2	58.9	59.3	59.8	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	49.2	60.6	61.1	61.6	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 5000	52.4	63.9	64.4	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	53.8	66.1	66.5	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	54.7	68.0	68.4	69.3	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3500	55.9	70.1	70.6	71.5	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	57.2	72.5	73.3	74.3	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	59.2	75.8	77.1	78.3	79.3	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	60.6	78.5	80.3	81.9	83.7	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800	61.3	80.3	81.9	83.7	85.5	85.7	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	62.5	83.2	85.7	87.5	89.2	89.6	89.7	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	63.1	84.4	87.3	89.0	91.0	91.5	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	63.4	85.4	87.9	90.0	92.1	92.8	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	63.4	85.5	88.5	90.5	92.8	93.5	93.9	94.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	63.6	85.9	89.0	91.4	93.7	94.6	94.9	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	63.7	86.2	89.2	91.7	94.2	95.0	95.4	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	63.8	86.5	89.7	92.2	95.0	96.0	96.3	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	63.8	86.5	89.7	92.2	95.0	96.0	96.6	96.9	97.4	97.8	97.9	97.9	97.9	98.0	98.0	98.1
≥ 400	63.8	86.5	89.7	92.3	95.2	96.2	96.9	97.5	98.0	98.3	98.6	98.6	98.8	98.9	98.9	99.1
≥ 300	63.8	86.5	89.7	92.3	95.2	96.2	96.9	97.5	98.1	98.6	98.8	98.8	99.2	99.3	99.3	99.4
≥ 200	63.8	86.5	89.7	92.3	95.2	96.2	96.9	97.5	98.3	98.8	99.1	99.2	99.5	99.6	99.6	99.8
≥ 100	63.8	86.5	89.7	92.3	95.2	96.2	96.9	97.5	98.3	98.8	99.1	99.2	99.5	99.6	99.6	99.9
≥ 0	63.8	86.5	89.7	92.3	95.2	96.2	96.9	97.5	98.3	98.8	99.1	99.2	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

KNIGHT-PATTERSON AFB OH
STATION NAME

68-73,73-79
YEARS

FES
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	53.5	40.7	41.8	42.4	43.3	43.7	44.0	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	55.5	43.0	44.2	44.9	45.8	46.2	46.5	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000	35.6	43.1	44.3	45.0	45.9	46.3	46.6	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	35.7	43.1	44.3	45.1	45.9	46.3	46.6	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
≥ 14000	36.2	43.8	45.0	45.7	46.6	47.0	47.3	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8
≥ 12000	36.9	44.9	46.2	46.9	47.8	48.2	48.5	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0
≥ 10000	38.4	47.7	49.0	49.7	50.6	51.1	51.4	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	39.1	48.6	50.0	50.7	51.7	52.1	52.4	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9
≥ 8000	40.3	50.5	52.0	52.7	53.6	54.1	54.4	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9
≥ 7000	41.5	52.2	53.8	54.4	55.3	55.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	42.4	53.6	55.0	55.8	56.8	57.3	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	44.1	55.9	57.4	58.4	59.4	59.9	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	45.1	57.3	58.9	60.0	61.1	61.6	62.0	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4000	46.5	59.4	61.1	62.3	63.6	64.2	64.6	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	47.9	61.5	63.3	64.6	66.0	66.6	67.0	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3000	49.7	63.9	65.8	67.3	68.8	69.4	69.8	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2500	51.5	67.2	69.3	71.0	72.7	73.4	73.8	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2000	53.4	73.6	73.0	75.1	77.7	78.0	78.6	79.1	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6
≥ 1800	54.0	71.9	74.4	76.6	78.8	79.7	80.2	80.7	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.3
≥ 1500	55.2	74.6	77.4	80.1	82.6	83.6	84.4	85.0	85.2	85.4	85.6	85.6	85.7	85.7	85.7	85.7
≥ 1200	55.8	76.3	79.5	82.6	85.5	86.6	87.5	88.2	88.4	88.7	88.9	88.9	88.9	88.9	88.9	89.0
≥ 1000	56.3	77.9	80.9	84.2	87.5	88.7	89.8	90.6	90.9	91.3	91.5	91.6	91.7	91.7	91.7	91.7
≥ 900	56.4	77.8	81.4	84.9	88.3	89.7	90.8	91.8	92.0	92.5	92.7	92.8	92.9	92.9	92.9	93.0
≥ 800	56.5	78.2	81.9	85.6	89.3	90.7	92.0	93.0	93.3	93.9	94.2	94.3	94.4	94.5	94.5	94.5
≥ 700	56.6	78.5	82.2	86.1	90.1	91.5	93.0	94.2	94.5	95.1	95.4	95.5	95.7	95.7	95.7	95.8
≥ 600	56.7	78.6	82.5	86.5	90.6	92.2	93.8	95.1	95.4	96.1	96.4	96.5	96.7	96.7	96.7	96.8
≥ 500	56.7	78.7	82.6	86.7	91.0	92.6	94.4	95.8	96.4	97.2	97.6	97.7	98.0	98.1	98.1	98.2
≥ 400	56.7	78.7	82.6	86.7	91.0	92.8	94.7	96.3	96.9	97.7	98.2	98.3	98.7	98.9	98.9	99.0
≥ 300	56.7	78.7	82.6	86.7	91.0	92.8	94.7	96.3	97.0	97.9	98.5	98.6	99.0	99.2	99.3	99.4
≥ 200	56.7	78.7	82.6	86.7	91.0	92.9	94.7	96.4	97.1	98.0	98.6	98.7	99.2	99.4	99.6	99.7
≥ 100	56.7	78.7	82.6	86.7	91.0	92.9	94.7	96.4	97.1	98.0	98.6	98.8	99.3	99.5	99.6	99.8
≥ 0	56.7	78.7	82.6	86.7	91.0	92.9	94.7	96.4	97.1	98.0	98.6	98.8	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1364J
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

86-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥.05	≥0
NO CEILING	34.5	41.3	41.6	42.3	42.9	42.9	43.3	43.3	43.4	43.5	43.5	43.5	43.5	43.6	43.6	43.7
≥ 20000	40.9	44.1	44.5	45.2	45.9	45.9	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.5	46.5	46.6
IV 18000	41.2	44.5	44.8	45.5	46.2	46.2	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.8	46.8	46.9
IV 16000	41.3	44.6	44.9	45.6	46.3	46.3	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.9	46.9	47.0
IV 14000	41.3	44.6	45.1	45.9	46.5	46.5	46.8	46.8	46.9	47.0	47.0	47.0	47.0	47.1	47.1	47.3
IV 12000	43.2	46.7	47.7	47.8	48.4	48.4	48.8	48.8	48.9	49.7	49.7	49.7	49.7	49.9	49.9	49.9
IV 10000	44.9	48.9	49.2	49.9	50.6	50.7	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.3	51.3	51.5
IV 9000	45.0	49.3	49.3	50.1	50.7	50.8	51.1	51.1	51.2	51.3	51.3	51.3	51.3	51.5	51.5	51.6
IV 8000	48.4	53.1	53.4	54.1	54.9	55.0	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.7	55.7	55.8
IV 7000	50.8	56.3	56.3	57.1	57.8	58.0	58.6	58.9	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.3
IV 6000	53.3	59.3	59.6	60.4	61.1	61.4	61.9	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6
IV 5000	55.2	62.6	63.7	64.8	64.6	64.9	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.2	66.2	66.3
IV 4500	57.2	66.7	66.3	67.4	68.2	68.6	69.1	69.4	69.5	69.6	69.6	69.6	69.6	69.9	69.9	70.0
IV 4000	58.4	68.6	68.9	70.3	71.5	71.8	72.3	72.7	72.8	72.9	72.9	72.9	72.9	73.1	73.1	73.2
IV 3500	60.2	71.4	71.9	73.3	74.5	74.8	75.7	76.1	76.3	76.4	76.4	76.4	76.4	76.6	76.6	76.7
IV 3000	61.9	73.5	74.1	75.6	76.7	77.1	77.9	78.6	78.8	78.9	78.9	78.9	78.9	79.1	79.1	79.2
IV 2500	65.4	77.6	78.1	79.9	81.2	81.6	82.5	83.1	83.3	83.4	83.4	83.4	83.4	83.6	83.6	83.7
IV 2000	67.5	80.7	81.3	83.1	84.8	85.4	86.3	87.0	87.2	87.3	87.4	87.4	87.4	87.6	87.6	87.7
IV 1800	67.8	81.3	81.9	83.9	85.7	86.2	87.3	87.9	88.2	88.3	88.4	88.4	88.4	88.6	88.6	88.7
IV 1500	68.8	82.7	83.4	85.5	87.5	88.4	89.6	90.3	90.5	90.6	90.7	90.7	90.7	91.0	91.0	91.1
IV 1200	69.1	83.4	84.2	86.2	88.3	89.1	90.7	91.6	91.8	91.9	92.0	92.0	92.0	92.2	92.2	92.4
IV 1000	69.8	84.9	85.7	87.8	89.9	90.7	92.5	93.4	93.6	94.0	94.2	94.2	94.2	94.4	94.4	94.5
IV 900	69.8	85.4	86.4	88.9	91.0	91.8	93.6	94.6	94.8	95.2	95.4	95.4	95.4	95.6	95.6	95.7
IV 800	69.8	86.0	87.2	89.9	92.0	92.9	94.8	95.8	96.0	96.3	96.6	96.6	96.6	96.8	96.8	96.9
IV 700	69.8	86.4	87.7	90.5	92.8	93.8	95.7	96.7	96.9	97.2	97.4	97.4	97.4	97.6	97.6	97.7
IV 600	69.8	86.4	87.7	90.6	93.1	94.1	96.0	97.2	97.4	97.7	98.0	98.0	98.0	98.2	98.2	98.3
IV 500	69.8	86.4	87.7	90.7	93.3	94.3	96.3	97.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	99.0
IV 400	69.8	86.5	87.8	90.9	93.4	94.4	96.4	97.7	98.2	98.5	98.8	98.8	98.8	99.0	99.0	99.1
IV 300	69.8	86.5	87.8	90.9	93.4	94.4	96.6	98.0	98.4	98.8	99.1	99.1	99.1	99.4	99.4	99.7
IV 200	69.8	86.5	87.8	90.9	93.4	94.4	96.6	98.0	98.5	98.9	99.2	99.2	99.2	99.5	99.5	99.9
IV 100	69.8	86.5	87.8	90.9	93.4	94.4	96.6	98.0	98.5	98.9	99.2	99.2	99.2	99.5	99.5	100.0
IV 0	69.8	86.5	87.8	90.9	93.4	94.4	96.6	98.0	98.5	98.9	99.2	99.2	99.2	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0328

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

66-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	32.3	38.7	40.0	40.2	40.6	40.9	41.0	41.1	41.1	41.3	41.4	41.4	41.5	41.5	41.5	41.8
≥ 20000	35.2	41.5	42.3	43.0	43.4	43.7	43.8	43.9	43.9	44.1	44.2	44.2	44.3	44.3	44.3	44.6
≥ 18000	35.3	41.7	43.0	43.2	43.7	43.9	44.0	44.1	44.1	44.3	44.4	44.4	44.5	44.5	44.5	44.8
≥ 16000	35.3	41.7	43.0	43.2	43.7	43.9	44.0	44.1	44.1	44.3	44.4	44.4	44.5	44.5	44.5	44.8
≥ 14000	35.3	42.4	43.7	43.9	44.3	44.5	44.6	44.7	44.7	44.9	45.1	45.1	45.2	45.2	45.2	45.5
≥ 12000	37.4	43.2	45.2	45.4	45.9	46.0	46.1	46.2	46.2	46.5	46.6	46.6	46.7	46.7	46.7	47.0
≥ 10000	39.2	46.1	47.4	47.7	48.3	48.5	48.6	48.8	48.8	49.0	49.1	49.1	49.2	49.2	49.2	49.6
≥ 9000	40.4	47.4	48.7	49.0	49.6	49.8	49.9	50.1	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.9
≥ 8000	42.7	51.0	52.4	52.8	53.3	53.5	53.7	53.9	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.8
≥ 7000	45.2	53.8	55.4	55.8	56.3	56.6	56.7	56.9	56.9	57.1	57.2	57.2	57.4	57.4	57.5	57.8
≥ 6000	46.2	55.7	57.4	57.8	58.5	58.7	58.8	59.0	59.0	59.2	59.4	59.4	59.6	59.6	59.7	60.0
≥ 5000	47.7	58.0	59.7	60.1	60.9	61.2	61.6	61.8	61.8	62.0	62.2	62.2	62.4	62.4	62.5	62.8
≥ 4500	50.5	61.3	63.2	63.8	64.6	64.9	65.4	65.6	65.6	65.8	65.9	65.9	66.1	66.1	66.2	66.6
≥ 4000	51.4	63.1	65.1	65.6	66.5	66.8	67.2	67.4	67.4	67.6	67.8	67.8	68.1	68.1	68.2	68.5
≥ 3500	54.0	65.4	67.6	68.4	69.2	69.8	70.2	70.6	70.6	70.9	71.1	71.1	71.3	71.3	71.4	71.7
≥ 3000	55.8	68.3	70.6	71.4	72.3	72.9	73.3	73.8	73.9	74.1	74.3	74.3	74.5	74.5	74.6	74.9
≥ 2500	58.5	71.4	73.9	74.6	75.7	76.3	76.8	77.2	77.3	77.5	77.7	77.7	78.0	78.0	78.1	78.4
≥ 2000	61.1	74.9	77.6	78.5	79.8	80.4	80.9	81.3	81.6	81.8	82.2	82.2	82.4	82.4	82.5	82.8
≥ 1800	61.8	75.7	78.5	79.5	80.9	81.5	81.9	82.4	82.7	82.9	83.2	83.2	83.4	83.4	83.5	83.9
≥ 1500	62.7	77.7	81.0	82.2	83.9	84.6	85.2	85.6	86.0	86.2	86.7	86.7	86.9	86.9	87.0	87.3
≥ 1200	63.3	79.7	83.0	84.4	86.3	87.1	87.6	88.1	88.5	88.7	89.1	89.1	89.4	89.4	89.5	89.8
≥ 1000	63.9	80.4	83.9	85.3	87.6	88.4	89.1	90.0	90.5	90.8	91.3	91.3	91.5	91.5	91.6	91.9
≥ 900	63.9	81.0	84.5	86.6	89.0	89.8	90.5	91.5	92.0	92.4	92.9	92.9	93.1	93.1	93.2	93.5
≥ 800	63.9	81.5	85.1	87.2	89.7	91.1	91.8	92.9	93.4	93.8	94.3	94.3	94.5	94.5	94.6	94.9
≥ 700	63.9	81.9	85.5	87.7	90.3	91.8	92.6	93.7	94.2	94.5	95.1	95.1	95.3	95.3	95.4	95.7
≥ 600	63.9	82.2	85.9	88.5	91.2	93.2	94.1	95.3	95.8	96.1	96.6	96.8	97.0	97.0	97.1	97.4
≥ 500	63.9	82.2	85.9	88.5	91.2	93.3	94.2	95.5	96.1	96.7	97.3	97.3	97.5	97.5	97.6	98.0
≥ 400	63.9	82.3	86.0	88.6	91.5	93.7	94.5	95.8	96.7	97.2	97.8	97.8	98.1	98.1	98.2	98.5
≥ 300	63.9	82.3	86.0	88.6	91.5	93.7	94.5	95.8	96.8	97.4	98.2	98.2	98.4	98.4	98.5	99.1
≥ 200	63.9	82.3	86.0	88.6	91.5	93.7	94.5	95.8	96.8	97.5	98.3	98.3	98.6	98.6	98.7	99.5
≥ 100	63.9	82.3	86.0	88.6	91.5	93.7	94.5	95.8	96.8	97.5	98.3	98.3	98.6	98.6	98.8	99.8
≥ 0	63.9	82.3	86.0	88.7	91.6	93.8	94.6	95.9	96.9	97.6	98.4	98.4	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

65-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.3	33.3	34.9	37.2	37.8	38.4	39.0	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000	23.9	35.3	36.9	39.1	39.9	40.5	41.3	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 18000	23.7	35.4	37.1	39.2	40.0	40.6	41.4	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	23.7	35.4	37.1	39.2	40.0	40.6	41.4	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	23.9	36.7	37.7	40.1	40.9	41.5	42.3	42.5	42.8	42.9	42.9	42.9	42.8	42.8	42.8	42.8
≥ 12000	24.4	37.1	38.8	41.2	41.9	42.6	43.3	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000	26.1	39.1	41.2	44.0	44.7	45.4	46.1	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	27.2	40.5	42.6	45.4	46.1	46.8	47.5	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 8000	29.5	44.0	46.0	48.8	49.6	50.2	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000	30.5	45.6	48.2	51.0	51.7	52.4	53.2	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 6000	31.6	47.6	50.6	53.8	54.6	55.3	56.2	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	33.4	49.6	52.9	56.1	57.0	58.1	59.0	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	34.7	51.5	55.2	58.4	59.4	60.4	61.4	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	35.9	53.2	57.1	60.3	61.4	62.5	63.4	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	37.2	55.1	59.1	62.5	63.5	64.6	65.6	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3000	39.2	58.2	62.4	66.0	67.1	68.2	69.1	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2500	40.9	60.8	65.2	69.5	70.6	71.7	72.7	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2000	42.6	64.2	69.1	73.9	75.7	77.1	78.1	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1800	43.1	65.8	70.9	75.6	77.4	78.8	80.0	80.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	44.5	69.1	75.2	80.2	82.6	84.0	85.2	86.0	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1200	44.8	70.2	76.6	81.8	84.4	85.8	87.0	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	44.9	71.1	77.6	83.0	85.7	87.2	88.5	89.7	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	45.2	71.6	78.2	83.8	86.9	88.4	89.9	91.4	92.0	92.2	92.2	92.2	92.4	92.4	92.4	92.4
≥ 800	45.2	71.9	78.6	84.3	87.6	89.2	90.9	92.6	93.7	93.4	93.4	93.4	93.7	93.7	93.7	93.7
≥ 700	45.2	72.3	78.9	84.9	88.6	90.2	91.8	93.7	94.5	94.7	95.1	95.1	95.3	95.3	95.3	95.3
≥ 600	45.2	72.3	78.9	85.3	89.1	91.2	93.0	94.9	95.8	96.5	96.9	96.9	97.1	97.1	97.1	97.1
≥ 500	45.2	72.3	78.9	85.3	89.1	91.4	93.2	95.4	96.2	97.1	97.5	97.5	97.7	97.7	97.7	97.7
≥ 400	45.2	72.3	79.0	85.5	89.4	91.6	93.4	95.6	96.5	97.5	98.4	98.4	98.8	98.8	98.8	98.8
≥ 300	45.2	72.3	79.0	85.5	89.4	91.7	93.5	95.7	96.6	97.6	98.5	98.5	98.9	99.0	99.0	99.2
≥ 200	45.2	72.3	79.0	85.5	89.4	91.7	93.5	95.7	96.7	97.7	98.8	98.8	99.4	99.5	99.5	99.8
≥ 100	45.2	72.3	79.0	85.5	89.4	91.7	93.5	95.7	96.7	97.7	98.8	98.8	99.4	99.5	99.7	100.0
≥ 0	45.2	72.3	79.0	85.5	89.4	91.7	93.5	95.7	96.7	97.7	98.8	98.8	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

13346
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

(900-1100
HOURS CST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	24.9	35.7	37.2	37.7	39.0	39.2	39.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 20000	27.8	39.2	41.8	41.5	41.7	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000	28.3	39.4	40.9	41.6	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 16000	28.2	39.7	41.2	41.9	42.3	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	29.5	40.9	42.4	43.1	43.4	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	30.1	42.4	43.9	44.6	44.9	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	30.4	44.4	46.0	46.9	47.2	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	31.6	45.7	47.3	48.2	48.5	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 8000	33.3	48.0	50.3	51.3	51.7	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 7000	34.3	49.0	51.6	53.0	53.4	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	35.1	50.2	52.8	54.3	54.7	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	36.5	53.0	55.9	57.4	57.8	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	37.3	54.7	57.0	58.6	59.0	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4000	39.5	56.7	59.9	61.7	62.2	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	40.9	59.7	62.9	64.7	65.3	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	42.2	62.3	65.5	67.3	68.0	68.5	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	44.8	66.2	69.9	72.5	73.4	74.4	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	47.4	70.5	74.7	77.6	79.1	80.1	80.8	81.0	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800	47.6	71.3	75.7	78.6	80.1	81.1	81.7	82.0	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1500	48.4	73.4	78.3	81.4	83.7	84.7	85.7	86.1	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	48.8	74.4	79.7	83.0	85.5	86.6	87.7	88.5	88.9	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	48.9	75.4	80.8	84.2	86.7	87.8	89.1	89.9	90.3	90.8	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	49.3	75.5	81.0	84.5	87.2	88.6	90.0	90.9	91.3	91.8	92.0	92.0	92.0	92.4	92.4	92.4
≥ 800	49.1	75.9	81.5	85.4	88.2	89.6	91.2	92.6	93.0	93.5	93.8	93.8	94.1	94.1	94.1	94.1
≥ 700	49.1	76.0	81.6	85.9	89.0	90.4	92.0	93.7	94.1	94.6	94.9	94.9	95.3	95.3	95.3	95.3
≥ 600	49.1	76.3	81.9	86.6	89.9	91.3	93.0	94.6	95.1	95.6	95.9	96.0	96.5	96.5	96.5	96.5
≥ 500	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.0	97.3	97.4	98.0	98.1	98.3	98.4
≥ 400	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.1	97.5	97.8	98.5	98.6	98.9	99.0
≥ 300	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.1	97.8	98.3	99.2	99.4	99.9	100.0
≥ 200	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.1	97.8	98.3	99.2	99.4	99.9	100.0
≥ 100	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.1	97.8	98.3	99.2	99.4	99.9	100.0
≥ 0	49.1	76.3	81.9	86.9	90.2	91.7	93.5	95.6	96.1	97.1	97.8	98.3	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

17040
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

69-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	29.1	37.1	37.6	37.8	39.2	37.2	38.2	39.2	38.7	36.2	38.2	36.2	34.2	38.2	34.2	38.2
≥ 20000	33.2	41.6	42.4	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	33.3	42.3	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 16000	33.3	42.7	43.2	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 14000	34.3	43.5	44.1	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 12000	34.4	44.3	44.8	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	35.9	46.9	47.4	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	36.7	47.7	48.3	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	38.9	51.0	51.4	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	40.0	52.0	52.2	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 6000	41.8	53.3	54.4	54.6	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	41.9	55.4	56.3	56.7	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500	42.3	56.6	57.1	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	44.2	60.7	61.1	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500	46.2	63.3	64.6	65.6	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	49.1	68.0	69.7	70.9	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	53.4	74.2	76.1	77.7	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	57.2	79.4	81.3	83.4	85.1	85.1	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	57.3	79.7	81.7	83.9	85.6	85.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	58.4	81.3	83.7	86.1	88.4	88.4	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	58.7	83.3	85.6	88.5	91.0	91.1	91.9	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	59.7	83.7	86.2	89.2	91.9	92.0	92.9	93.4	93.5	93.8	94.0	94.0	94.1	94.2	94.1	94.1
≥ 900	58.7	83.7	86.3	89.4	92.5	92.7	93.8	94.4	94.6	94.8	95.1	95.1	95.2	95.3	95.3	95.3
≥ 800	54.7	84.3	87.0	90.0	93.2	93.8	94.8	95.6	95.8	96.2	96.5	96.5	96.6	96.7	96.7	96.7
≥ 700	58.7	84.6	87.6	90.6	94.0	94.5	95.6	96.3	96.6	97.0	97.3	97.3	97.4	97.5	97.5	97.5
≥ 600	58.7	84.7	88.1	91.2	94.6	95.2	96.3	97.1	97.4	97.8	98.3	98.3	98.5	98.6	98.6	98.6
≥ 500	58.7	84.7	88.1	91.2	94.7	95.3	96.7	97.7	98.3	98.8	99.2	99.4	99.6	99.7	99.7	99.7
≥ 400	58.7	84.7	88.1	91.2	94.7	95.3	96.8	97.8	98.5	99.0	99.5	99.6	99.8	99.9	99.9	99.9
≥ 300	58.7	84.7	88.1	91.2	94.7	95.3	96.8	97.8	98.5	99.0	99.6	99.7	99.9	100.0	100.0	100.0
≥ 200	58.7	84.7	88.1	91.2	94.7	95.3	96.8	97.8	98.5	99.0	99.6	99.7	99.9	100.0	100.0	100.0
≥ 100	58.7	84.7	88.1	91.2	94.7	95.3	96.8	97.8	98.5	99.0	99.6	99.7	99.9	100.0	100.0	100.0
≥ 0	58.7	84.7	88.1	91.2	94.7	95.3	96.8	97.8	98.5	99.0	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-74-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE C

CEILING VERSUS VISIBILITY

136471 FLIGHT-PATTERSON AFB CH

68-70,73-79

MA9

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

ADDITIONAL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	32.3	31.0	38.1	38.2	32.3	31.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 20000	37.5	43.8	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	38.5	44.8	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 16000	38.9	45.2	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	39.1	45.5	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000	39.9	46.2	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	41.5	48.7	49.0	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	41.9	49.7	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	44.5	54.0	54.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	44.9	54.7	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	44.9	55.7	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	46.6	58.1	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	47.6	59.6	60.6	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4000	49.2	62.5	63.9	64.0	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500	51.5	65.6	67.2	67.3	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3000	55.4	71.2	73.2	74.0	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	59.0	76.7	80.2	81.2	81.7	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	61.5	80.5	84.4	85.4	86.2	86.9	87.4	87.6	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2
≥ 1800	61.6	80.9	84.8	85.9	86.8	87.4	88.0	88.3	88.6	88.6	88.6	88.6	88.8	88.8	88.8	88.8
≥ 1500	61.8	82.0	86.7	88.2	89.2	89.9	90.5	90.9	91.2	91.2	91.3	91.3	91.5	91.5	91.5	91.5
≥ 1200	61.9	82.9	87.3	89.4	90.9	91.7	92.6	93.1	93.4	93.4	93.5	93.5	93.8	93.8	93.9	93.9
≥ 1000	62.3	83.2	87.6	90.4	92.0	93.0	94.1	94.5	94.9	94.9	95.1	95.1	95.3	95.3	95.4	95.4
≥ 900	62.0	83.4	88.0	91.1	92.8	93.8	94.8	95.4	95.8	95.8	95.9	95.9	96.1	96.1	96.2	96.2
≥ 800	62.0	83.7	88.3	91.6	93.3	94.3	95.7	96.2	96.7	96.7	96.8	96.8	97.0	97.0	97.2	97.2
≥ 700	62.0	83.7	88.4	91.8	94.0	95.1	96.6	97.1	97.5	97.5	97.5	97.5	97.6	97.8	97.8	98.1
≥ 600	62.0	83.8	88.5	91.9	94.5	95.7	97.2	97.7	98.3	98.3	98.4	98.4	98.6	98.7	98.9	98.9
≥ 500	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.5	99.7	99.7
≥ 400	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.6	99.9	99.9
≥ 300	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.6	99.9	100.0
≥ 200	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.6	99.9	100.0
≥ 100	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.6	99.9	100.0
≥ 0	62.0	83.8	88.5	91.9	94.6	96.0	97.6	98.2	98.7	98.7	98.9	98.9	99.2	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 430

DATA PROCESSING BRANCH
AF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WRIGHT-PATTERSON AFB OH
STATION NAME

62-70,75-79
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.3	41.4	41.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	41.4	44.9	45.3	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	41.3	45.5	45.8	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000	41.4	45.6	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	41.3	46.7	46.3	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 12000	43.5	47.7	48.1	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000	46.3	51.2	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	47.0	52.4	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	50.0	55.1	56.0	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	51.6	57.6	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	51.2	59.8	60.2	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 5000	63.1	61.9	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	64.6	63.8	65.4	66.5	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4000	66.8	67.3	69.7	70.1	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	69.9	70.9	72.7	74.0	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	71.3	74.3	76.2	77.5	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	83.0	78.1	80.3	82.0	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	84.0	81.1	83.4	85.7	87.2	87.5	87.7	88.0	88.1	88.2	88.2	88.2	88.5	88.5	88.5	88.5
≥ 1800	84.0	81.4	83.5	86.2	87.8	88.2	88.4	88.7	88.8	88.9	88.9	88.9	89.4	89.4	89.4	89.4
≥ 1500	84.3	83.0	85.7	88.5	90.3	91.0	91.3	91.6	91.8	91.9	91.9	91.9	92.6	92.6	92.6	92.6
≥ 1200	84.4	83.5	86.3	89.2	91.3	91.9	92.6	93.0	93.2	93.3	93.3	93.3	94.0	94.0	94.0	94.0
≥ 1000	84.4	83.7	86.4	89.8	91.9	92.6	93.2	93.7	94.0	94.1	94.2	94.2	94.8	94.8	94.8	94.8
≥ 900	84.5	84.1	87.1	90.6	93.0	93.8	94.8	95.3	95.6	95.8	95.9	95.9	96.6	96.6	96.6	96.6
≥ 800	84.5	84.4	87.4	91.2	93.5	94.3	95.4	95.8	96.1	96.3	96.6	96.6	97.2	97.2	97.2	97.2
≥ 700	84.5	84.5	87.5	91.4	93.9	94.7	95.9	96.3	96.8	97.0	97.3	97.3	98.0	98.0	98.0	98.0
≥ 600	84.5	84.5	87.5	91.5	94.0	94.9	96.2	96.7	97.4	97.6	98.0	98.0	98.7	98.7	98.7	98.7
≥ 500	84.5	84.5	87.5	91.5	94.1	95.2	96.5	96.9	97.6	97.8	98.2	98.2	99.0	99.1	99.1	99.1
≥ 400	84.5	84.5	87.5	91.7	94.3	95.4	96.7	97.1	98.1	98.3	98.6	98.6	99.5	99.7	99.7	99.7
≥ 300	84.5	84.5	87.5	91.7	94.3	95.4	96.7	97.2	98.2	98.4	98.7	98.8	99.7	99.9	99.9	100.0
≥ 200	84.5	84.5	87.5	91.7	94.3	95.4	96.7	97.2	98.2	98.4	98.7	98.8	99.7	99.9	99.9	100.0
≥ 100	84.5	84.5	87.5	91.7	94.3	95.4	96.7	97.2	98.2	98.4	98.7	98.8	99.7	99.9	99.9	100.0
≥ 0	84.5	84.5	87.5	91.7	94.3	95.4	96.7	97.2	98.2	98.4	98.7	98.8	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17542 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-73,73-79

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2300
MAX MIN

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	41.1	41.7	41.9	42.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	42.7	44.4	45.1	45.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	42.4	44.9	45.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	43.0	45.2	45.4	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	43.3	45.6	45.4	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	44.5	46.5	47.1	48.5	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	46.5	49.0	49.2	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 9000	49.3	50.5	50.8	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	52.0	55.7	55.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	51.3	58.0	58.7	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 6000	57.2	61.9	62.4	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	59.6	65.2	65.8	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	61.5	67.5	68.2	69.9	70.2	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	63.5	70.2	71.0	73.0	73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	65.2	72.8	73.7	75.8	76.5	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	67.2	75.3	76.1	78.4	79.1	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500	69.4	78.4	79.6	81.9	83.5	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	71.9	82.3	83.8	86.2	88.3	89.0	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	72.8	83.4	84.9	87.4	89.5	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1500	73.4	84.8	86.3	88.9	91.3	92.0	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	73.5	85.4	86.9	89.6	91.9	92.7	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000	73.7	85.7	87.2	90.2	92.9	93.7	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	73.8	86.0	87.3	91.0	93.8	94.5	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	73.9	86.2	87.7	91.6	94.4	95.2	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	73.9	86.6	88.2	92.0	94.9	95.7	96.8	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	73.9	86.6	88.2	92.2	95.2	96.0	97.1	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	73.9	86.8	88.5	92.5	95.6	96.5	97.5	98.2	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 400	73.9	86.8	88.5	92.6	95.7	96.6	97.6	98.5	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	73.9	86.8	88.5	92.6	95.7	96.6	97.6	98.5	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 200	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17542 WRIGHT-PATTERSON AFB OH

68-73, 73-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2300
MAR 73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	41.1	41.7	41.9	41.8	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	42.7	44.4	45.1	45.5	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 18000	42.4	44.9	45.2	46.5	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 16000	43.1	45.2	45.4	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 14000	43.3	45.6	45.4	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 12000	44.5	46.5	47.1	48.0	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	46.5	49.0	49.2	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 9000	49.3	50.5	50.8	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 8000	52.0	55.7	55.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 7000	54.3	58.0	58.7	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	57.2	61.9	62.4	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	59.6	65.2	65.8	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	61.5	67.5	68.2	69.9	70.2	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 4000	63.5	71.2	71.0	73.0	73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	65.2	72.8	73.7	75.8	76.5	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	67.2	75.3	76.1	78.4	79.1	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2500	69.4	78.4	79.6	81.9	83.5	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	71.9	82.3	83.2	86.2	88.3	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800	72.8	83.4	84.9	87.4	89.5	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	73.4	84.8	86.3	88.9	91.3	92.0	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	73.5	85.4	86.9	89.6	91.9	92.7	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	73.7	85.7	87.2	90.2	92.9	93.7	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	73.8	86.0	87.5	91.0	93.8	94.5	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	73.9	86.2	87.7	91.6	94.4	95.2	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	73.9	86.6	88.2	92.0	94.9	95.7	96.8	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	73.9	86.6	88.2	92.2	95.2	96.0	97.1	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	73.9	86.8	88.5	92.5	95.6	96.5	97.5	98.2	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0
IV 400	73.9	86.8	88.5	92.6	95.7	96.6	97.6	98.5	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6
IV 300	73.9	86.8	88.5	92.8	95.7	96.6	97.6	98.5	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
IV 200	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	73.9	86.8	88.5	92.8	95.9	96.8	97.8	98.7	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

63-70, 73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	48.2	51.1	51.1	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7
≥ 20000	51.9	55.6	55.6	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6
≥ 18000	51.9	55.6	55.6	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6
≥ 16000	51.9	55.6	55.6	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6
≥ 14000	52.0	56.4	56.4	56.7	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
≥ 12000	55.1	59.1	59.1	59.3	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 10000	57.9	62.3	62.4	62.7	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4
≥ 9000	59.0	63.4	63.6	63.6	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥ 8000	62.1	67.0	67.2	67.7	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 7000	64.2	69.2	69.4	69.9	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
≥ 6000	66.4	71.4	71.7	72.1	72.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 5000	69.7	75.2	75.4	76.0	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
≥ 4500	69.9	77.0	77.2	77.6	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
≥ 4000	72.9	80.8	81.7	81.6	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 3500	73.4	81.4	81.7	82.2	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 3000	75.0	83.3	83.6	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 2500	77.1	86.6	86.9	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
≥ 2000	79.4	89.3	89.7	90.3	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6
≥ 1800	79.8	89.9	90.2	90.9	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
≥ 1500	81.1	91.6	92.0	92.9	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2
≥ 1200	82.2	93.3	93.9	95.0	95.8	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.6
≥ 1000	82.7	94.4	95.3	96.4	97.2	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2
≥ 900	82.8	94.8	95.7	96.8	97.6	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.6
≥ 800	82.9	95.0	95.9	97.2	98.1	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
≥ 700	82.9	95.0	95.9	97.2	98.1	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3
≥ 600	82.9	95.0	95.9	97.2	98.1	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3
≥ 500	82.9	95.1	96.0	97.3	98.2	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
≥ 400	82.9	95.1	96.0	97.3	98.3	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.6
≥ 300	82.9	95.1	96.0	97.3	98.4	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	82.9	95.1	96.0	97.3	98.4	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	82.9	95.1	96.0	97.3	98.4	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	82.9	95.1	96.0	97.3	98.4	99.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

58-70, 73-79
YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	44.6	43.3	49.1	49.3	49.6	49.6	49.8	49.5	50.0	50.1	50.1	50.1	50.1	50.3	50.3	51.1
≥ 20000	49.3	53.7	54.4	54.8	55.0	55.0	55.2	55.3	55.4	55.6	55.6	55.6	55.6	55.8	55.8	56.6
≥ 18000	49.3	53.7	54.4	54.8	55.0	55.0	55.2	55.3	55.4	55.6	55.6	55.6	55.6	55.8	55.8	56.6
≥ 16000	49.3	53.7	54.4	54.8	55.0	55.0	55.2	55.3	55.4	55.6	55.6	55.6	55.6	55.8	55.8	56.6
≥ 14000	49.7	54.1	54.9	55.2	55.4	55.4	55.7	55.8	55.9	56.0	56.0	56.0	56.2	56.2	56.6	57.0
≥ 12000	51.7	56.4	57.3	57.7	57.9	57.9	58.1	58.2	58.3	58.4	58.4	58.4	58.7	58.7	59.0	59.4
≥ 10000	54.3	59.6	60.7	61.1	61.3	61.3	61.6	61.9	62.0	62.1	62.1	62.1	62.3	62.3	62.7	63.1
≥ 9000	55.2	60.4	61.5	62.0	62.2	62.2	62.7	62.8	62.9	63.0	63.0	63.0	63.2	63.2	63.6	64.0
≥ 8000	57.7	63.6	64.7	65.4	65.7	66.0	66.4	66.6	66.7	66.8	66.8	66.8	67.0	67.0	67.3	67.6
≥ 7000	59.4	65.7	66.9	67.7	67.9	68.2	68.7	68.8	68.9	69.0	69.0	69.0	69.2	69.2	69.6	70.0
≥ 6000	61.1	67.7	68.9	69.7	69.9	70.2	70.7	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.6	72.0
≥ 5000	62.9	70.4	71.8	72.6	72.8	73.1	73.6	73.7	73.8	73.9	73.9	73.9	74.1	74.1	74.4	74.9
≥ 4500	64.7	72.9	74.2	75.0	75.2	75.6	76.0	76.1	76.2	76.3	76.3	76.3	76.6	76.6	76.9	77.3
≥ 4000	67.1	75.3	76.8	77.6	77.8	78.1	78.6	78.7	78.8	78.9	78.9	78.9	79.1	79.1	79.4	79.9
≥ 3500	68.1	76.4	78.1	78.8	79.0	79.3	79.8	79.9	80.0	80.1	80.1	80.1	80.3	80.3	80.7	81.1
≥ 3000	69.6	78.0	79.6	80.4	80.9	81.2	81.7	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.6	83.0
≥ 2500	71.3	80.1	81.8	82.7	83.1	83.4	83.9	84.0	84.1	84.2	84.2	84.2	84.4	84.4	84.8	85.2
≥ 2000	74.1	83.4	85.2	86.1	86.7	87.0	87.4	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.3	88.8
≥ 1800	74.7	84.3	86.1	87.0	87.6	88.0	88.4	88.6	88.7	88.8	88.8	88.8	89.0	89.0	89.3	89.8
≥ 1500	76.7	86.6	88.3	89.6	90.3	90.8	91.2	91.3	91.4	91.6	91.6	91.6	91.8	91.8	92.1	92.6
≥ 1200	78.1	88.6	90.6	91.9	92.8	93.2	93.8	94.0	94.1	94.2	94.2	94.2	94.4	94.4	94.8	95.2
≥ 1000	78.4	89.6	91.6	93.1	94.1	94.6	95.1	95.3	95.4	95.6	95.6	95.6	95.8	95.8	96.1	96.6
≥ 900	78.4	89.8	91.8	93.3	94.3	94.8	95.3	95.6	95.7	95.8	95.8	95.8	96.0	96.0	96.3	96.8
≥ 800	78.7	90.3	92.1	93.7	94.9	95.3	95.9	96.1	96.2	96.3	96.3	96.3	96.6	96.6	96.9	97.3
≥ 700	78.7	90.2	92.3	94.0	95.4	96.0	96.6	96.9	97.0	97.1	97.1	97.1	97.3	97.3	97.7	98.1
≥ 600	78.7	90.2	92.3	94.0	95.6	96.1	96.7	97.0	97.1	97.2	97.2	97.2	97.4	97.4	97.8	98.2
≥ 500	78.7	90.3	92.4	94.1	95.8	96.3	97.2	97.6	97.7	97.8	97.8	97.8	98.0	98.0	98.3	98.8
≥ 400	78.7	90.3	92.4	94.1	95.8	96.3	97.6	97.9	98.0	98.1	98.1	98.1	98.4	98.4	98.8	99.2
≥ 300	78.7	90.3	92.4	94.1	95.9	96.4	97.7	98.0	98.1	98.3	98.4	98.4	98.7	98.7	99.0	99.4
≥ 200	78.7	90.3	92.4	94.1	95.9	96.4	97.7	98.0	98.1	98.3	98.4	98.4	98.7	98.7	99.0	99.6
≥ 100	78.7	90.3	92.4	94.1	96.0	96.6	97.6	98.1	98.2	98.4	98.6	98.6	98.8	98.8	99.2	99.9
≥ 0	78.7	90.3	92.4	94.1	96.0	96.6	97.8	98.1	98.2	98.4	98.6	98.6	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17841
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

58-79,73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING ≥ 20000	34.2 41.1	34.9 43.	41.0 45.3	42.5 46.9	43.3 47.8	43.4 47.9	43.7 48.2	43.8 48.3	43.9 48.4	43.9 48.4	44.3 48.9	44.3 48.9	44.4 49.0	44.6 49.1	44.6 49.1	45.2 49.8
≥ 18000	31.2	43.1	45.2	47.0	47.9	48.0	48.3	48.4	48.6	48.6	48.8	49.0	49.1	49.2	49.2	49.9
≥ 16000	31.4	43.3	45.4	47.2	48.1	48.2	48.6	48.7	48.8	48.8	49.2	49.2	49.3	49.4	49.4	50.1
≥ 14000	32.3	44.3	46.4	48.2	49.1	49.2	49.6	49.7	49.8	49.8	50.2	50.2	50.3	50.4	50.4	51.1
≥ 12000	33.7	46.8	49.1	50.9	51.8	51.9	52.2	52.3	52.4	52.4	52.9	52.9	53.0	53.1	53.1	53.8
≥ 10000	35.7	49.8	52.1	54.1	55.3	55.4	56.0	56.1	56.2	56.3	56.8	56.8	56.9	57.0	57.0	57.7
≥ 9000	36.2	50.6	53.0	55.1	56.3	56.4	57	57.1	57.2	57.3	57.8	57.8	57.9	58.0	58.0	58.7
≥ 8000	38.3	53.2	56.6	59.1	60.6	60.8	61.3	61.7	61.8	61.9	62.3	62.3	62.4	62.6	62.6	63.2
≥ 7000	40.3	56.2	59.3	61.4	62.9	63.1	63.7	64.0	64.1	64.2	64.7	64.7	64.8	64.9	64.9	65.6
≥ 6000	41.9	58.1	61.1	63.9	65.4	65.7	66.2	66.6	66.7	66.8	67.2	67.2	67.3	67.4	67.4	68.1
≥ 5000	43.7	60.8	63.6	66.3	68.0	68.3	68.9	69.2	69.3	69.4	69.9	69.9	70.0	70.1	70.1	70.8
≥ 4500	44.3	62.7	65.8	68.7	70.6	70.9	71.4	71.8	71.9	72.0	72.4	72.4	72.6	72.7	72.7	73.3
≥ 4000	45.4	65.3	68.4	71.4	73.4	73.8	74.3	74.9	74.9	75.0	75.4	75.4	75.6	75.7	75.7	76.3
≥ 3500	46.3	66.4	69.7	72.8	74.8	75.1	75.7	76.1	76.2	76.3	76.8	76.8	76.9	77.0	77.0	77.7
≥ 3000	47.4	68.7	72.1	75.2	77.7	78.1	78.7	79.2	79.3	79.4	79.9	79.9	80.0	80.1	80.1	80.8
≥ 2500	48.2	70.2	73.7	77.3	79.9	80.3	80.9	81.4	81.6	81.7	82.1	82.1	82.2	82.3	82.3	83.0
≥ 2000	49.4	72.4	76.2	80.2	83.1	83.7	84.2	84.8	84.9	85.1	85.4	85.4	85.6	85.7	85.7	86.3
≥ 1800	50.4	73.8	77.7	81.9	84.8	85.3	85.9	86.6	86.7	86.8	87.2	87.2	87.3	87.4	87.4	88.1
≥ 1500	51.6	75.4	79.4	83.9	86.8	87.6	88.1	88.8	88.9	89.0	89.4	89.4	89.6	89.7	89.7	90.3
≥ 1200	52.3	76.7	80.7	85.4	88.4	89.2	89.8	90.6	90.7	90.8	91.2	91.2	91.3	91.4	91.4	92.1
≥ 1000	52.4	77.3	81.6	86.7	89.8	90.6	91.2	92.0	92.1	92.2	92.7	92.7	92.8	92.9	92.9	93.6
≥ 900	52.6	77.9	82.1	87.3	90.4	91.2	92.0	92.9	93.0	93.1	93.7	93.7	93.8	93.9	93.9	94.6
≥ 800	52.6	78.4	82.9	88.4	91.8	92.7	93.6	94.4	94.6	94.8	95.3	95.3	95.4	95.6	95.6	96.2
≥ 700	52.6	78.7	83.1	88.7	92.1	93.0	94.1	95.0	95.2	95.4	96.0	96.0	96.1	96.2	96.2	96.9
≥ 600	52.6	78.8	83.2	89.0	92.8	93.7	94.8	95.9	96.1	96.3	96.9	96.9	97.0	97.1	97.1	97.8
≥ 500	52.8	79.1	83.6	89.3	93.1	94.0	95.1	96.2	97.0	97.3	97.9	97.9	98.0	98.1	98.1	98.8
≥ 400	52.8	79.2	83.7	89.4	93.2	94.1	95.3	96.6	97.3	97.7	98.2	98.2	98.3	98.4	98.4	99.1
≥ 300	52.8	79.2	83.7	89.4	93.2	94.1	95.3	96.6	97.3	97.7	98.2	98.2	98.6	98.8	98.8	99.6
≥ 200	52.8	79.2	83.7	89.4	93.2	94.1	95.3	96.6	97.3	97.7	98.2	98.2	98.6	98.8	98.8	99.7
≥ 100	52.8	79.2	83.7	89.4	93.2	94.1	95.3	96.6	97.3	97.7	98.2	98.2	98.6	98.8	98.8	99.7
≥ 0	52.8	79.2	83.7	89.4	93.2	94.1	95.3	96.6	97.3	97.7	98.2	98.2	98.6	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

FLIGHT-PATTERSON AFB OH
STATION NAME

69-77,73-79
YEARS

APD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

J900-1100
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	38.1	46.9	47.3	47.6	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	41.3	51.4	52.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000	41.4	51.9	52.6	53.1	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	41.6	52.1	52.7	53.1	53.3	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	42.4	53.4	54.1	54.6	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	44.2	55.2	55.9	56.3	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	45.2	56.7	57.3	58.1	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	46.1	57.7	58.3	59.1	59.3	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	48.3	60.8	61.5	62.6	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	49.6	62.8	63.6	64.6	64.9	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	51.8	64.2	65.2	66.3	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000	51.7	66.3	67.6	68.7	69.0	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	52.3	67.9	69.2	70.3	70.7	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	53.3	69.4	70.9	72.0	72.4	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	4.2	70.4	72.1	73.2	73.8	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	55.9	72.7	74.5	75.8	76.3	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	57.0	75.3	77.2	78.4	79.1	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	59.0	78.6	80.6	81.9	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	59.7	79.9	81.9	83.2	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	60.8	82.1	84.3	85.7	86.6	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	61.6	84.7	86.9	88.6	89.7	90.3	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000	61.7	85.7	88.2	89.9	91.1	91.9	92.8	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 900	61.8	86.3	89.1	90.8	92.7	93.6	94.4	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	61.9	87.0	89.9	91.7	93.9	95.0	96.0	96.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	62.0	87.3	90.2	92.1	94.3	95.4	96.6	97.1	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	62.0	87.4	90.3	92.3	94.6	95.7	96.9	97.6	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	62.0	87.4	90.4	92.6	94.9	96.0	97.4	98.7	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	62.0	87.4	90.4	92.7	95.0	96.1	97.6	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	62.0	87.4	90.4	92.7	95.0	96.1	97.6	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	62.0	87.4	90.4	92.7	95.0	96.1	97.6	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	62.0	87.4	90.4	92.7	95.0	96.1	97.6	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	62.0	87.4	90.4	92.7	95.0	96.1	97.6	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

66-70,73-79
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	42.4	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	47.3	51.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	47.4	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	47.7	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	47.7	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	49.5	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	51.6	57.3	57.8	57.8	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	51.8	57.6	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	53.6	59.7	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	55.1	61.5	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	56.1	63.2	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	57.5	65.6	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	58.1	66.6	67.4	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	59.7	69.5	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	61.3	71.5	72.4	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3000	64.5	75.4	76.4	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2500	68.5	81.9	83.7	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	70.9	85.5	87.4	88.5	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	71.3	86.3	87.9	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	72.6	88.4	90.2	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	73.4	89.4	91.4	93.3	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	73.3	90.5	92.8	95.0	95.6	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	73.4	91.1	93.4	95.9	96.4	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	73.4	91.3	94.1	96.7	97.2	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	73.4	91.3	94.1	96.7	97.8	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	73.4	91.4	94.2	97.1	98.0	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	73.4	91.4	94.2	97.2	98.2	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	73.4	91.4	94.2	97.2	98.2	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	73.4	91.4	94.2	97.2	98.2	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	73.4	91.4	94.2	97.2	98.2	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	73.4	91.4	94.2	97.2	98.2	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	73.4	91.4	94.2	97.2	98.2	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13041
STATION

WIGHT-PATTERSON AFB CA
STATION NAME

6-70, 73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	42.4	40.4	46.4	46.4	43.4	43.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	49.4	53.0	53.0	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	49.3	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	49.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	0.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	1.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	4.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	5.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 8000	56.8	62.4	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	57.2	63.2	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	57.9	64.9	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	57.3	67.7	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	51.2	68.7	69.1	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	63.9	72.1	72.8	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	66.0	75.4	76.1	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	71.1	81.1	80.9	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	73.4	85.6	86.9	87.6	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	74.8	88.3	89.7	90.4	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	75.1	88.7	90.1	91.0	91.2	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	75.7	90.8	92.4	93.6	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	76.4	92.4	94.2	95.6	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	76.8	93.7	95.1	96.6	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	76.8	93.1	95.2	96.7	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	76.9	93.6	95.7	97.2	98.1	98.6	98.9	99.3	99.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	76.9	93.6	95.8	97.4	98.3	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	76.9	93.6	95.8	97.4	98.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	76.9	93.6	95.9	97.6	98.4	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	76.9	93.6	95.9	97.6	98.4	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.9	93.6	95.9	97.6	98.4	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.9	93.6	95.9	97.6	98.4	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.9	93.6	95.9	97.6	98.4	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.9	93.6	95.9	97.6	98.4	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17541
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

63-70, 73-79
YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	42.4	43.7	45.4	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥20000	42.4	43.7	45.4	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥18000	49.3	53.5	53.7	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥16000	49.6	53.2	53.4	54.1	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥14000	50.1	54.3	54.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥12000	51.2	55.7	55.9	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥10000	55.4	61.0	61.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥9000	56.1	62.0	62.1	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥8000	58.1	64.6	65.0	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥7000	59.7	66.1	66.2	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥6000	60.2	67.7	67.8	68.1	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥5000	62.4	71.8	70.9	71.2	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥4500	64.4	72.7	72.8	73.1	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥4000	67.4	76.2	76.6	76.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥3500	69.3	78.8	79.4	80.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥3000	72.3	82.4	83.1	83.9	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥2500	74.9	86.0	87.1	87.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥2000	76.3	88.6	89.3	90.9	92.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥1800	76.3	88.7	90.0	91.2	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1500	77.4	89.9	91.4	92.8	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥1200	77.6	91.6	92.2	94.0	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥1000	77.8	91.3	93.6	95.4	97.3	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	77.8	91.3	93.6	95.6	97.6	97.9	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥800	77.8	91.3	93.6	95.7	97.7	98.0	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥700	77.8	91.3	93.7	95.8	97.9	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥600	77.8	91.3	93.7	96.1	98.7	99.0	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥500	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	77.8	91.3	93.7	96.1	98.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

53-70, 73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	51.9	52.1	52.1	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1
≥ 20000	57.7	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 18000	57.3	57.5	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 16000	57.3	57.5	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 14000	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8
≥ 12000	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8
≥ 10000	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
≥ 9000	63.9	64.3	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 8000	68.4	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3
≥ 7000	70.9	71.4	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
≥ 6000	73.8	74.3	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 5000	70.8	71.4	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
≥ 4500	78.7	79.3	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9
≥ 4000	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2
≥ 3500	83.4	84.3	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0
≥ 3000	85.2	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8
≥ 2500	87.7	88.7	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 2000	89.7	90.7	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8
≥ 1800	90.0	91.3	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
≥ 1500	91.5	92.5	93.8	93.8	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 1200	93.3	94.8	95.9	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 1000	94.3	96.6	97.4	97.4	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 900	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 800	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 700	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 600	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 500	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 400	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 200	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 100	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 0	94.3	96.6	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13841
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-73,73-79
PERIOD

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS CST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	42.0	46.6	47.2	47.5	47.7	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.1	48.2
≥ 20000	46.6	52.0	52.9	53.3	53.6	53.7	53.9	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.1
≥ 18000	46.9	52.0	53.1	53.5	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.4
≥ 16000	47.1	52.9	53.3	53.7	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 14000	47.7	53.5	54.1	54.5	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.2	55.3
≥ 12000	49.1	55.4	56.1	56.4	56.7	56.7	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.1	57.2
≥ 10000	51.8	58.0	59.3	59.8	60.1	60.2	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.8
≥ 9000	52.5	59.5	60.2	60.7	61.0	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.7
≥ 8000	54.9	62.0	63.4	64.1	64.5	64.6	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.3
≥ 7000	56.5	64.4	65.3	66.0	66.4	66.5	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.2
≥ 6000	58.9	66.4	67.2	68.0	68.5	68.6	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.2
≥ 5000	60.0	69.2	70.1	70.9	71.4	71.6	71.7	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.2
≥ 4500	61.3	70.9	71.9	72.7	73.2	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	74.0
≥ 4000	63.0	73.6	74.9	75.6	76.4	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.2
≥ 3500	64.3	75.5	76.7	77.7	78.3	78.5	78.6	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.1
≥ 3000	66.7	78.2	79.6	80.6	81.3	81.6	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.3
≥ 2500	68.8	81.7	83.1	84.3	85.1	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	86.1
≥ 2000	70.8	84.5	86.2	87.5	88.3	88.6	88.9	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.4
≥ 1800	71.3	85.2	86.9	88.3	89.1	89.4	89.7	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.1	90.2
≥ 1500	72.4	87.1	88.9	90.5	91.4	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.6
≥ 1200	73.1	88.6	90.6	92.5	93.5	93.9	94.2	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.7	94.8
≥ 1000	73.4	89.5	91.8	93.8	95.0	95.5	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.6
≥ 900	73.5	89.6	92.1	94.2	95.6	96.1	96.5	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.1	97.2
≥ 800	73.6	90.1	92.5	94.8	96.2	96.8	97.3	97.6	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.1
≥ 700	73.6	90.2	92.6	95.0	96.6	97.2	97.7	98.1	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.7
≥ 600	73.6	90.3	92.7	95.1	96.9	97.5	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.9	98.9	99.1
≥ 500	73.6	90.4	92.8	95.2	97.0	97.7	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.5
≥ 400	73.6	90.4	92.8	95.3	97.1	97.7	98.5	99.0	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.7
≥ 300	73.6	90.4	92.8	95.3	97.1	97.8	98.5	99.0	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.8
≥ 200	73.6	90.4	92.8	95.3	97.1	97.8	98.5	99.0	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.9
≥ 100	73.6	90.4	92.8	95.3	97.1	97.8	98.5	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.7	99.9
≥ 0	73.6	90.4	92.8	95.3	97.1	97.8	98.5	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840 WRIGHT-PATTERSON AFB OH

65-70, 73-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	43.3	51.4	52.2	53.2	54.2	54.3	54.5	54.5	54.6	54.6	54.9	54.9	55.1	55.2	55.2	55.2
≥ 20000	45.7	54.2	56.1	57.1	58.1	58.2	58.4	58.4	58.5	58.5	58.8	58.8	58.9	59.0	59.0	59.0
≥ 18000	45.7	54.2	56.1	57.1	58.1	58.2	58.4	58.4	58.5	58.5	58.8	58.8	58.9	59.0	59.0	59.0
≥ 16000	45.7	54.3	56.1	57.2	58.2	58.3	58.5	58.5	58.6	58.6	58.9	58.9	59.0	59.1	59.1	59.1
≥ 14000	46.2	54.7	56.4	58.0	58.9	59.0	59.2	59.2	59.4	59.4	59.7	59.7	59.8	59.9	59.9	59.9
≥ 12000	47.1	55.6	57.7	58.8	59.8	59.9	60.1	60.1	60.2	60.2	60.5	60.5	60.6	60.8	60.8	60.8
≥ 10000	50.8	59.9	62.4	63.7	64.6	64.7	64.9	64.9	65.1	65.1	65.4	65.4	65.5	65.6	65.6	65.6
≥ 9000	51.7	61.3	63.4	65.2	66.2	66.3	66.7	66.7	66.8	66.8	67.1	67.1	67.2	67.3	67.3	67.3
≥ 8000	55.3	65.1	68.7	70.2	71.4	71.5	71.8	71.8	71.9	71.9	72.3	72.3	72.5	72.6	72.7	72.7
≥ 7000	57.0	68.7	71.7	73.2	74.4	74.5	74.8	74.9	75.1	75.1	75.4	75.4	75.6	75.7	75.8	75.8
≥ 6000	59.4	72.4	75.5	77.0	78.2	78.3	78.6	78.7	78.8	78.8	79.1	79.1	79.4	79.5	79.6	79.6
≥ 5000	60.1	75.1	78.3	80.0	81.3	81.4	81.7	81.8	81.9	81.9	82.3	82.3	82.5	82.6	82.7	82.7
≥ 4500	61.1	76.5	79.7	81.4	82.9	83.1	83.4	83.5	83.7	83.7	84.0	84.0	84.2	84.3	84.4	84.4
≥ 4000	62.4	78.6	82.7	83.8	85.3	85.5	85.8	85.9	86.0	86.0	86.3	86.3	86.6	86.7	86.8	86.8
≥ 3500	62.8	79.5	82.7	84.7	86.3	86.7	87.0	87.1	87.2	87.2	87.5	87.5	87.7	87.8	88.0	88.0
≥ 3000	63.1	80.5	84.1	86.1	88.0	88.3	88.6	88.7	88.8	88.8	89.1	89.1	89.4	89.5	89.6	89.6
≥ 2500	63.4	80.9	84.3	86.6	88.4	88.7	89.0	89.1	89.2	89.2	89.6	89.6	89.8	89.9	90.0	90.0
≥ 2000	63.9	81.5	85.1	87.3	89.2	89.8	90.1	90.3	90.4	90.4	90.8	90.8	91.0	91.1	91.2	91.2
≥ 1800	63.9	81.6	85.2	87.4	89.4	89.9	90.3	90.5	90.6	90.6	91.0	91.0	91.2	91.3	91.4	91.4
≥ 1500	64.3	82.5	86.5	89.0	91.0	91.5	92.0	92.3	92.4	92.4	92.7	92.7	92.9	93.0	93.1	93.1
≥ 1200	64.6	83.4	87.4	90.2	92.3	92.8	93.4	93.8	93.9	93.9	94.2	94.2	94.4	94.5	94.6	94.6
≥ 1000	64.8	84.1	88.3	91.2	93.2	93.9	94.6	94.9	95.1	95.1	95.4	95.4	95.6	95.7	95.8	95.8
≥ 900	64.9	84.4	88.6	91.5	93.5	94.1	94.9	95.3	95.4	95.4	95.7	95.7	95.9	96.0	96.1	96.1
≥ 800	64.9	84.8	89.0	91.9	94.0	94.5	95.4	95.7	95.8	95.8	96.1	96.1	96.3	96.5	96.6	96.6
≥ 700	64.9	85.1	89.4	92.3	94.3	94.9	95.8	96.2	96.3	96.3	96.7	96.7	96.9	97.0	97.1	97.1
≥ 600	64.9	85.3	89.8	92.7	94.7	95.4	96.2	96.8	96.9	96.9	97.2	97.2	97.4	97.5	97.6	97.6
≥ 500	64.9	85.3	90.1	93.0	95.1	95.7	96.7	97.2	97.5	97.5	98.0	98.0	98.2	98.3	98.4	98.4
≥ 400	64.9	85.3	90.1	93.0	95.2	95.8	96.8	97.4	97.8	97.8	98.4	98.4	98.7	98.8	98.9	98.9
≥ 300	64.9	85.3	90.1	93.0	95.2	95.9	96.9	97.6	98.2	98.2	98.7	98.7	99.0	99.2	99.5	99.5
≥ 200	64.9	85.3	90.1	93.0	95.2	95.9	96.9	97.6	98.2	98.2	98.7	98.7	99.0	99.2	99.5	99.6
≥ 100	64.9	85.3	90.1	93.0	95.2	95.9	96.9	97.6	98.2	98.2	98.7	98.7	99.0	99.2	99.5	99.6
≥ 0	64.9	85.3	90.1	93.0	95.2	95.9	96.9	97.6	98.2	98.2	98.7	98.7	99.0	99.2	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS CST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	37.2	45.1	48.8	50.9	52.7	53.3	54.5	55.5	55.6	55.6	56.1	56.1	56.2	56.2	56.5	56.8
≥ 20000	39.1	46.0	51.5	54.0	55.9	56.6	57.7	58.7	58.8	59.0	59.4	59.4	59.5	59.5	59.7	60.0
≥ 18000	39.1	48.7	51.5	54.0	55.9	56.6	57.7	58.7	58.8	59.0	59.4	59.4	59.5	59.5	59.7	60.0
≥ 16000	39.1	48.7	51.5	54.0	55.9	56.6	57.7	58.7	58.8	59.0	59.4	59.4	59.5	59.5	59.7	60.0
≥ 14000	39.6	48.4	52.5	54.7	56.7	57.3	58.5	59.5	59.6	59.8	60.1	60.1	60.2	60.2	60.4	60.8
≥ 12000	40.3	49.4	53.7	55.9	57.8	58.5	59.7	60.6	60.8	61.0	61.3	61.3	61.4	61.4	61.6	61.9
≥ 10000	43.2	53.1	57.5	60.0	62.0	62.7	63.9	64.9	65.1	65.3	65.6	65.6	65.7	65.7	65.9	66.2
≥ 9000	43.8	54.3	58.7	61.4	63.4	64.1	65.3	66.3	66.5	66.7	67.1	67.1	67.1	67.1	67.3	67.6
≥ 8000	46.9	58.4	63.2	65.9	68.2	68.9	70.1	71.2	71.3	71.5	71.8	71.8	71.9	71.9	72.2	72.5
≥ 7000	47.7	59.5	64.8	67.3	69.6	70.4	71.7	72.6	72.8	73.2	73.5	73.5	73.7	73.7	73.9	74.2
≥ 6000	48.7	61.5	66.8	69.6	71.8	72.7	74.0	75.1	75.3	75.5	75.8	75.8	75.9	75.9	76.1	76.5
≥ 5000	49.2	63.4	68.7	71.7	74.0	74.8	76.1	77.2	77.7	78.0	78.3	78.3	78.4	78.4	78.6	78.9
≥ 4500	50.1	64.4	69.9	72.9	75.4	76.3	77.6	78.7	79.2	79.5	79.8	79.8	79.9	79.9	80.1	80.4
≥ 4000	50.8	66.1	71.8	75.3	78.0	79.0	80.3	81.4	81.9	82.2	82.5	82.5	82.6	82.6	82.8	83.1
≥ 3500	50.8	66.7	72.4	75.9	78.7	79.9	81.3	82.4	83.1	83.3	83.8	83.8	83.9	83.9	84.1	84.4
≥ 3000	51.3	67.7	74.7	77.6	80.4	81.6	83.0	84.2	85.1	85.3	85.7	85.7	85.8	85.8	86.0	86.3
≥ 2500	51.9	68.8	75.2	78.9	81.8	83.0	84.4	85.6	86.5	86.7	87.1	87.1	87.2	87.2	87.4	87.7
≥ 2000	52.2	69.1	75.6	79.6	83.0	84.2	85.8	87.0	88.0	88.2	88.6	88.6	88.7	88.7	88.9	89.2
≥ 1800	52.4	69.4	75.8	79.8	83.2	84.4	86.1	87.3	88.3	88.5	88.9	88.9	89.0	89.0	89.2	89.6
≥ 1500	52.5	70.0	76.7	81.0	84.5	85.7	87.4	88.6	89.6	89.8	90.2	90.2	90.3	90.3	90.5	90.9
≥ 1200	52.5	71.1	78.2	82.5	86.0	87.2	88.9	90.1	91.1	91.4	91.8	91.8	91.9	91.9	92.2	92.5
≥ 1000	52.6	71.6	78.6	83.3	87.0	88.2	89.9	91.1	92.0	92.5	92.9	92.9	93.0	93.0	93.2	93.5
≥ 900	52.6	71.7	78.7	83.5	87.2	88.4	90.1	91.3	92.3	92.7	93.1	93.1	93.2	93.2	93.4	93.8
≥ 800	52.9	72.0	79.0	84.0	87.6	89.0	90.9	92.0	93.0	93.4	93.9	93.9	94.0	94.0	94.2	94.5
≥ 700	52.9	72.4	79.5	84.6	88.5	90.0	92.0	93.3	94.3	94.7	95.2	95.2	95.3	95.3	95.5	95.8
≥ 600	52.9	72.8	80.0	85.4	89.4	91.1	93.2	94.7	95.5	95.9	96.3	96.3	96.5	96.5	96.7	97.0
≥ 500	52.9	72.8	80.0	85.4	89.4	91.1	93.2	94.7	95.7	96.2	96.7	96.7	96.8	96.8	97.0	97.3
≥ 400	52.9	72.9	80.4	85.8	89.8	91.6	94.2	96.0	97.1	97.6	98.1	98.1	98.2	98.2	98.4	98.7
≥ 300	52.9	72.9	80.4	85.8	89.8	91.6	94.2	96.2	97.4	98.0	98.4	98.4	98.5	98.5	98.7	99.0
≥ 200	52.9	72.9	80.4	85.8	89.8	91.6	94.2	96.3	97.5	98.2	98.6	98.6	98.8	98.8	99.0	99.4
≥ 100	52.9	72.9	80.4	85.8	89.8	91.6	94.2	96.3	97.5	98.2	98.6	98.6	98.9	98.9	99.4	99.8
≥ 0	52.9	72.9	80.4	85.8	89.8	91.6	94.2	96.3	97.5	98.2	98.6	98.6	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384U
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	25.4	40.2	43.4	47.0	50.1	51.0	51.9	52.5	52.6	52.9	52.9	52.9	52.9	52.9	53.0	53.3
≥ 20000	26.6	42.5	45.9	49.8	53.2	54.1	55.2	55.9	56.0	56.1	56.3	56.3	56.3	56.5	56.5	56.9
≥ 18000	26.6	42.6	46.1	49.9	53.3	54.2	55.3	56.0	56.1	56.5	56.5	56.5	56.5	56.5	56.6	57.0
≥ 16000	26.6	42.6	46.1	49.9	53.3	54.2	55.3	56.0	56.1	56.5	56.5	56.5	56.5	56.5	56.6	57.0
≥ 14000	27.6	43.9	47.3	51.2	54.7	55.6	56.7	57.4	57.5	57.8	57.8	57.8	57.8	58.0	58.0	58.4
≥ 12000	28.4	44.8	48.5	52.7	56.2	57.1	58.5	59.2	59.4	59.7	59.7	59.7	59.7	59.8	59.8	60.2
≥ 10000	30.8	48.6	52.5	56.8	60.3	61.2	62.7	63.4	63.5	63.9	63.9	63.9	63.9	64.0	64.0	64.4
≥ 9000	30.8	48.9	52.9	57.4	61.0	61.8	63.3	64.1	64.2	64.5	64.5	64.5	64.5	64.6	64.6	65.1
≥ 8000	32.4	51.6	55.9	61.1	64.9	65.9	67.5	68.3	68.4	68.7	68.7	68.7	68.7	68.9	68.9	69.5
≥ 7000	32.8	52.6	57.1	62.3	66.1	67.1	68.7	69.5	69.6	69.9	69.9	69.9	69.9	71.1	70.1	70.6
≥ 6000	33.5	54.5	58.6	63.9	68.1	69.1	70.8	71.5	71.6	71.9	71.9	71.9	71.9	72.2	72.2	72.7
≥ 5000	34.1	55.3	59.9	65.3	69.6	70.6	72.6	73.4	73.5	73.9	73.9	73.9	73.9	74.1	74.1	74.6
≥ 4500	34.4	55.8	60.8	66.3	70.6	71.7	73.7	74.5	74.6	74.9	74.9	74.9	74.9	75.2	75.2	75.7
≥ 4000	35.1	57.4	62.5	68.1	72.9	74.2	76.1	77.0	77.2	77.5	77.5	77.5	77.5	77.7	77.7	78.3
≥ 3500	35.4	58.4	63.5	69.4	74.2	75.5	77.4	78.3	78.5	78.8	78.8	78.9	79.1	79.1	79.4	79.7
≥ 3000	36.2	59.7	64.8	70.6	75.7	77.0	78.9	79.8	80.0	80.4	80.4	80.5	80.8	80.8	81.0	81.3
≥ 2500	36.7	60.9	66.1	72.2	77.3	78.6	80.9	81.7	81.9	82.4	82.4	82.5	82.7	82.7	82.9	83.2
≥ 2000	36.9	61.7	67.3	73.9	79.5	80.8	83.0	83.9	84.1	84.5	84.5	84.6	84.8	84.8	85.1	85.4
≥ 1800	37.0	62.0	67.6	74.5	80.1	81.4	83.7	84.5	84.7	85.2	85.2	85.3	85.5	85.5	85.7	86.0
≥ 1500	37.2	62.8	68.5	75.4	81.2	82.6	84.8	85.8	86.0	86.5	86.5	86.6	86.8	86.8	87.0	87.3
≥ 1200	37.3	63.7	69.8	77.1	83.1	84.5	86.8	87.7	88.0	88.4	88.4	88.5	88.7	88.7	88.9	89.2
≥ 1000	37.3	64.5	70.9	78.7	85.1	86.5	88.8	89.8	90.1	90.5	90.5	90.6	90.9	90.9	91.1	91.4
≥ 900	37.3	64.7	71.2	79.4	85.7	87.1	89.5	90.4	90.8	91.2	91.2	91.3	91.5	91.5	91.7	92.0
≥ 800	37.3	64.8	71.4	79.8	86.6	88.2	90.8	91.8	92.3	92.7	92.7	92.8	93.0	93.0	93.2	93.5
≥ 700	37.3	65.2	71.8	80.4	87.6	89.5	92.0	93.2	93.7	94.2	94.2	94.3	94.5	94.5	94.7	95.1
≥ 600	37.3	65.3	71.9	80.5	87.8	89.8	92.5	93.9	94.6	95.4	95.4	95.5	95.8	95.8	96.0	96.3
≥ 500	37.3	65.3	71.9	80.5	88.2	90.1	92.8	94.9	95.9	96.8	96.9	97.0	97.3	97.3	97.5	97.8
≥ 400	37.3	65.3	71.9	80.6	88.3	90.2	93.3	95.3	96.5	97.3	97.7	97.8	98.2	98.3	98.5	98.8
≥ 300	37.3	65.3	71.9	80.6	88.3	90.2	93.0	95.4	96.6	97.5	98.1	98.3	98.6	98.7	99.0	99.4
≥ 200	37.3	65.3	71.9	80.6	88.3	90.2	93.0	95.4	96.6	97.5	98.1	98.3	98.7	98.9	99.4	99.7
≥ 100	37.3	65.3	71.9	80.6	88.3	90.2	93.0	95.4	96.6	97.5	98.1	98.3	98.7	98.9	99.4	99.8
≥ 0	37.3	65.3	71.9	80.6	88.3	90.2	93.0	95.4	96.6	97.5	98.1	98.3	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-73,73-79
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	> 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1500	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1000	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 800	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 600	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 400	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 200	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 100	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 50	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10	37.3	50.9	52.8	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-64 0-14-5 (L A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,75-79
V (AV)

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
NO. OF HRS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.5	49.7	50.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	44.5	55.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	44.7	55.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	44.8	55.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	45.1	55.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	45.5	56.2	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	48.0	60.4	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	48.4	61.2	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	50.6	64.9	66.9	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000	51.7	66.2	68.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 6000	52.3	66.9	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	53.0	68.2	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	53.5	68.9	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	55.7	71.9	74.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	57.9	74.3	76.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	61.1	79.4	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	62.8	82.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	63.5	82.9	87.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	63.8	84.6	88.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	64.2	86.3	90.9	92.9	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	64.2	87.6	92.7	94.9	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	64.3	88.2	93.5	96.1	96.6	97.2	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	64.3	88.2	93.5	96.1	96.6	97.2	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	64.4	88.5	94.0	96.7	97.3	98.0	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	64.4	88.6	94.1	96.8	97.6	98.3	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	64.4	88.6	94.1	96.8	97.8	98.5	98.9	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	64.4	88.6	94.1	96.8	97.8	98.5	98.9	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	64.4	88.6	94.1	96.9	98.1	98.7	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	64.4	88.6	94.1	96.9	98.1	98.7	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	64.4	88.6	94.1	96.9	98.1	98.7	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.4	88.6	94.1	96.9	98.1	98.7	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64.4	88.6	94.1	96.9	98.1	98.7	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	36.1	44.9	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	41.1	52.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	41.3	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	41.3	52.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	41.6	52.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	42.6	54.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	45.2	58.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 9000	46.7	59.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	49.5	63.5	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	51.0	65.3	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	52.9	67.8	69.6	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000	55.2	70.5	72.4	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	56.3	71.8	73.8	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	59.0	75.8	77.8	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	61.1	79.2	81.4	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	63.7	82.7	85.3	86.0	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	65.8	85.6	88.6	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
≥ 2000	66.7	88.0	91.1	92.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
≥ 1800	66.8	88.3	91.7	92.9	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
≥ 1500	66.9	89.1	92.7	94.1	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1200	66.9	89.7	93.5	95.2	96.3	96.7	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4
≥ 1000	66.9	90.3	94.3	96.2	97.7	98.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8
≥ 900	66.9	90.5	94.5	96.5	98.0	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
≥ 800	66.9	90.6	94.6	96.6	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5
≥ 700	66.9	90.6	94.8	96.8	98.4	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥ 600	66.9	90.6	94.9	96.9	98.5	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 500	66.9	90.6	94.9	96.9	98.5	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 400	66.9	90.8	95.1	97.0	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	66.9	90.8	95.1	97.0	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	66.9	90.8	95.1	97.0	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	66.9	90.8	95.1	97.0	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	66.9	90.8	95.1	97.0	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

PIGHT-PATTERSON AFB OH
STATION NAME

68-71, 73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	40.1	49.6	51.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥20000	45.1	56.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥18000	45.4	56.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥16000	45.6	57.1	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥14000	45.8	57.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥12000	47.8	59.7	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥10000	51.1	64.5	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥9000	52.3	65.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥8000	53.4	69.0	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥7000	54.2	70.1	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥6000	57.2	73.9	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥5000	59.4	77.5	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥4500	61.1	79.4	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥4000	62.4	81.7	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥3500	63.4	83.7	85.9	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥3000	63.9	84.9	87.3	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥2500	64.9	87.7	90.9	91.7	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥2000	66.0	90.1	92.8	94.7	95.2	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥1800	66.1	90.3	93.0	95.1	95.6	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥1500	66.2	90.9	93.5	95.9	96.5	96.7	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1200	66.3	91.0	93.8	96.1	97.1	97.3	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1000	66.3	91.2	94.0	96.6	97.6	97.8	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥900	66.3	91.2	94.1	96.7	97.7	98.0	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥800	66.3	91.2	94.1	96.9	98.0	98.2	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥700	66.3	91.3	94.2	97.0	98.1	98.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥600	66.3	91.3	94.2	97.0	98.4	98.6	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	66.3	91.3	94.3	97.3	98.7	98.9	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	47.5	52.9	53.9	54.4	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.1
≥ 20000	47.5	57.1	58.7	59.4	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0
≥ 18000	48.1	57.2	58.9	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 16000	48.1	57.2	58.9	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 14000	48.7	57.8	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8
≥ 12000	50.4	60.2	62.0	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2
≥ 10000	54.3	64.4	66.5	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7
≥ 9000	54.3	64.4	66.5	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7
≥ 8000	53.3	63.0	65.1	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 7000	61.3	72.0	74.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
≥ 6000	62.6	73.2	75.3	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9
≥ 5000	64.3	75.2	77.3	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9
≥ 4500	66.2	77.1	79.2	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
≥ 4000	67.5	78.4	80.5	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1
≥ 3500	68.2	79.1	81.2	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8
≥ 3000	69.0	80.0	82.1	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
≥ 2500	69.4	80.5	82.6	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
≥ 2000	69.7	80.8	82.9	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5
≥ 1800	69.8	81.0	83.1	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥ 1500	70.1	81.3	83.4	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0
≥ 1200	70.6	81.8	83.9	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 1000	70.8	82.0	84.1	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7
≥ 900	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 800	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 700	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 600	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 500	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 400	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 300	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 200	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 100	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 0	70.9	82.1	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

65-70, 73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	78.1	46.0	49.7	50.8	51.7	52.0	52.3	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.8
≥ 20000	41.1	52.3	54.3	55.5	56.5	56.7	57.0	57.2	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.6
≥ 18000	41.2	52.4	54.5	55.7	56.8	56.8	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.7	57.8
≥ 16000	41.3	52.5	54.5	55.7	56.7	56.9	57.2	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.8	57.8
≥ 14000	41.8	53.1	55.3	56.5	57.5	57.7	58.0	58.2	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.6
≥ 12000	43.0	54.5	56.8	58.0	59.0	59.2	59.6	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.2	60.2
≥ 10000	45.9	58.5	60.9	62.2	63.3	63.5	63.9	64.1	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.5
≥ 9000	46.5	59.6	62.1	63.4	64.4	64.7	65.1	65.3	65.3	65.4	65.5	65.5	65.6	65.6	65.6	65.7
≥ 8000	49.0	63.3	66.1	67.6	68.7	69.0	69.4	69.7	69.7	69.8	69.9	69.9	69.9	69.9	70.0	70.1
≥ 7000	51.1	64.9	67.8	69.4	70.6	70.8	71.3	71.5	71.6	71.7	71.8	71.8	71.9	71.9	71.9	72.0
≥ 6000	51.7	67.2	70.1	71.8	73.0	73.3	73.7	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.4	74.4
≥ 5000	52.9	69.4	72.4	74.2	75.5	75.8	76.3	76.5	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.0
≥ 4500	53.8	70.6	73.8	75.6	76.9	77.3	77.8	78.0	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.5
≥ 4000	55.3	73.1	76.4	78.4	79.9	80.2	80.8	81.2	81.1	81.2	81.3	81.3	81.4	81.4	81.5	81.5
≥ 3500	56.1	74.6	78.1	80.2	81.7	82.1	82.7	82.9	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.5
≥ 3000	57.5	76.8	80.6	82.8	84.3	84.8	85.3	85.6	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.2
≥ 2500	58.5	78.6	82.5	84.9	86.6	87.0	87.6	87.9	88.1	88.2	88.3	88.3	88.4	88.4	88.5	88.5
≥ 2000	59.1	80.0	84.1	86.7	88.6	89.1	89.7	90.0	90.2	90.3	90.4	90.4	90.5	90.5	90.6	90.7
≥ 1800	59.2	80.3	84.4	87.2	89.1	89.6	90.2	90.6	90.7	90.8	90.9	90.9	91.0	91.0	91.1	91.2
≥ 1500	59.4	81.2	85.7	88.6	90.6	91.2	91.9	92.3	92.5	92.6	92.7	92.7	92.8	92.8	92.9	93.0
≥ 1200	59.7	82.1	86.8	90.0	92.2	92.8	93.6	94.0	94.2	94.4	94.4	94.5	94.6	94.6	94.7	94.7
≥ 1000	59.7	82.7	87.6	91.0	93.4	94.0	94.9	95.4	95.6	95.8	95.9	95.9	96.0	96.0	96.1	96.1
≥ 900	59.8	82.8	87.8	91.3	93.7	94.3	95.3	95.8	96.0	96.1	96.2	96.3	96.4	96.4	96.4	96.5
≥ 800	59.8	83.0	88.1	91.6	94.1	94.9	95.9	96.4	96.7	96.9	97.0	97.0	97.1	97.1	97.2	97.2
≥ 700	59.8	83.2	88.3	91.9	94.6	95.4	96.5	97.1	97.4	97.6	97.7	97.7	97.8	97.8	97.9	98.0
≥ 600	59.8	83.3	88.4	92.1	94.9	95.8	96.9	97.6	97.9	98.1	98.2	98.3	98.4	98.4	98.5	98.5
≥ 500	59.8	83.3	88.5	92.3	95.2	96.0	97.2	98.0	98.4	98.7	98.8	98.8	98.9	98.9	99.0	99.1
≥ 400	59.8	83.4	88.6	92.4	95.3	96.2	97.4	98.3	98.8	99.0	99.2	99.2	99.4	99.4	99.5	99.5
≥ 300	59.8	83.4	88.6	92.4	95.3	96.2	97.5	98.4	98.9	99.2	99.4	99.4	99.5	99.6	99.7	99.7
≥ 200	59.8	83.4	88.6	92.4	95.3	96.2	97.5	98.4	98.9	99.2	99.4	99.4	99.6	99.6	99.7	99.8
≥ 100	59.8	83.4	88.6	92.4	95.3	96.2	97.5	98.4	98.9	99.2	99.4	99.4	99.6	99.6	99.8	99.9
≥ 0	59.8	83.4	88.6	92.4	95.3	96.2	97.5	98.4	98.9	99.2	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1354U
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

63-70, 73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	41.5	55.1	57.2	59.2	61.1	61.3	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.2
≥ 20000	64.4	65.6	63.1	65.2	67.4	67.9	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.9	68.9
≥ 18000	44.4	60.6	63.1	65.2	67.4	67.9	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.9	68.9
≥ 16000	44.5	60.7	63.2	65.3	67.5	68.0	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	69.0	69.0
≥ 14000	44.8	61.2	63.6	65.7	68.0	68.4	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4
≥ 12000	45.7	62.3	64.7	66.9	69.1	69.5	70.2	70.2	70.3	70.4	70.4	71.4	70.4	70.4	70.5	70.5
≥ 10000	47.9	66.2	68.6	71.0	74.0	74.4	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
≥ 9000	49.7	68.1	70.5	72.9	75.9	76.3	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.3
≥ 8000	52.1	71.2	73.7	76.1	79.1	79.5	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.5
≥ 7000	52.3	72.3	74.9	77.3	80.3	80.8	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.8	81.8
≥ 6000	53.2	72.9	75.5	78.0	81.0	81.4	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4
≥ 5000	54.3	74.5	77.3	79.9	82.9	83.4	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4
≥ 4500	55.6	76.9	79.6	82.2	85.4	86.1	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.1
≥ 4000	56.6	79.1	82.1	84.8	88.3	89.3	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 3500	57.1	79.9	82.9	85.9	89.4	90.1	90.3	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥ 3000	57.5	80.6	83.6	86.3	90.7	91.3	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.5
≥ 2500	57.8	81.5	84.8	87.9	91.9	92.5	93.4	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.9	93.9
≥ 2000	58.3	82.1	85.3	88.4	92.4	93.1	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 1800	58.5	82.6	85.9	89.0	93.0	93.7	94.5	94.5	94.8	95.0	95.0	95.0	95.0	95.0	95.1	95.1
≥ 1500	59.3	83.8	87.3	90.3	94.3	95.0	95.9	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.6	96.6
≥ 1200	59.4	84.6	88.7	91.4	95.4	96.1	97.0	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
≥ 1000	59.6	85.5	88.9	92.3	96.4	97.1	98.0	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 900	59.6	85.5	88.9	92.3	96.4	97.1	98.0	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 800	59.7	86.0	89.3	92.8	97.0	97.7	98.6	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 700	59.8	86.1	89.4	92.9	97.1	97.8	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥ 600	59.8	86.1	89.4	92.9	97.1	97.8	98.7	98.9	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7
≥ 500	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 400	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 300	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 200	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 100	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 0	59.8	86.1	89.4	92.9	97.2	97.9	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS-EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	<10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	31.4	43.3	46.6	49.3	53.4	54.7	56.4	57.1	57.6	58.0	58.2	58.3	58.4	58.6	58.9	
≥ 20000	33.9	47.1	50.6	54.1	58.4	59.9	61.7	62.3	62.9	63.3	63.6	63.6	63.8	63.9	64.0	64.3
≥ 18000	33.9	47.1	50.6	54.1	58.4	59.9	61.7	62.3	62.9	63.3	63.6	63.6	63.8	63.9	64.0	64.3
≥ 16000	34.1	47.3	50.9	54.4	58.8	61.2	62.0	62.7	63.2	63.7	63.9	63.9	64.1	64.2	64.3	64.7
≥ 14000	34.3	47.8	51.3	54.9	59.2	60.7	62.4	63.1	63.7	64.1	64.3	64.3	64.6	64.7	64.8	65.1
≥ 12000	34.9	48.8	52.3	56.0	60.4	61.9	63.7	64.3	64.9	65.3	65.6	65.6	65.8	65.9	66.0	66.3
≥ 10000	37.8	52.6	54.6	60.3	65.1	66.9	69.0	69.7	71.2	70.3	71.0	71.0	71.2	71.3	71.4	71.8
≥ 9000	38.8	54.1	58.3	62.1	66.9	68.7	70.8	71.4	72.3	72.6	72.8	72.8	73.7	73.1	73.2	73.6
≥ 8000	40.2	56.6	61.1	64.9	69.9	71.7	73.8	74.6	75.1	75.7	75.9	75.9	76.1	76.2	76.3	76.7
≥ 7000	41.0	58.3	62.8	66.6	71.7	73.4	75.6	76.3	76.9	77.4	77.7	77.7	77.9	78.0	78.1	78.4
≥ 6000	41.9	60.1	64.6	68.7	73.8	75.6	77.7	78.4	79.1	79.6	79.8	79.8	80.0	80.1	80.2	80.6
≥ 5000	42.4	61.0	65.9	69.9	75.3	77.1	79.3	80.1	80.7	81.2	81.4	81.4	81.7	81.8	81.9	82.2
≥ 4500	44.3	63.1	68.0	72.0	77.4	79.2	81.4	82.3	82.9	83.4	83.7	83.7	83.9	84.0	84.1	84.4
≥ 4000	45.2	65.3	70.2	74.6	80.6	82.6	84.8	85.7	86.2	86.8	87.0	87.0	87.2	87.3	87.4	87.8
≥ 3500	45.2	65.6	70.4	74.8	81.0	83.0	85.2	86.1	86.7	87.2	87.6	87.6	87.8	87.9	88.0	88.3
≥ 3000	46.1	66.6	71.6	75.9	82.4	84.6	87.0	87.9	88.4	89.2	89.6	89.6	89.8	89.9	90.0	90.3
≥ 2500	46.2	66.8	71.8	76.2	82.8	84.9	87.3	88.2	88.8	89.6	89.9	90.0	90.2	90.3	90.4	90.8
≥ 2000	46.3	67.6	72.7	77.3	83.9	86.0	88.6	89.4	90.0	90.8	91.1	91.2	91.4	91.6	91.7	92.0
≥ 1800	46.4	68.0	73.1	77.8	84.3	86.4	89.0	89.9	90.6	91.3	91.7	91.8	92.0	92.1	92.2	92.6
≥ 1500	46.6	68.6	73.7	78.3	85.0	87.1	89.8	90.7	91.3	92.1	92.4	92.6	92.8	92.9	93.0	93.3
≥ 1200	46.9	69.2	74.3	79.4	86.1	88.2	90.9	91.8	92.4	93.2	93.6	93.7	93.9	94.0	94.1	94.4
≥ 1000	47.2	70.3	75.7	81.4	88.1	90.2	92.9	93.8	94.4	95.2	95.6	95.7	95.9	96.0	96.1	96.4
≥ 900	47.3	70.7	76.1	81.9	88.6	90.7	93.4	94.3	95.0	95.8	96.1	96.2	96.4	96.6	96.7	97.0
≥ 800	47.4	71.1	76.8	82.7	89.4	91.6	94.4	95.3	96.0	96.8	97.1	97.2	97.4	97.6	97.7	98.1
≥ 700	47.4	71.2	76.9	82.8	89.6	91.7	94.6	95.4	96.1	96.9	97.2	97.3	97.6	97.7	97.8	98.1
≥ 600	47.4	71.2	76.9	82.8	89.9	92.0	94.9	95.9	96.6	97.3	97.7	97.8	98.0	98.1	98.2	98.6
≥ 500	47.4	71.3	77.1	82.9	90.0	92.2	95.2	96.2	96.9	97.8	98.1	98.2	98.4	98.6	98.7	99.0
≥ 400	47.4	71.3	77.0	82.9	90.0	92.2	95.2	96.3	97.0	97.9	98.2	98.3	98.6	98.7	98.8	99.2
≥ 300	47.4	71.3	77.0	82.9	90.0	92.2	95.2	96.3	97.1	98.2	98.6	98.7	98.9	99.1	99.3	99.8
≥ 200	47.4	71.3	77.0	82.9	90.0	92.2	95.2	96.3	97.1	98.2	98.6	98.7	98.9	99.1	99.3	99.9
≥ 100	47.4	71.3	77.0	82.9	90.0	92.2	95.2	96.3	97.1	98.2	98.6	98.7	98.9	99.1	99.3	99.9
≥ 0	47.4	71.3	77.0	82.9	90.0	92.2	95.2	96.3	97.1	98.2	98.6	98.7	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 12164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

66-73,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0800
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	17.7	41.2	44.7	49.2	52.9	54.1	55.3	56.9	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
≥ 20000	1.3	44.1	49.1	54.1	58.2	59.4	60.8	62.3	63.0	63.3	63.3	63.3	63.4	63.6	63.6	63.6
≥ 18000	1.3	44.2	49.1	54.3	58.4	59.7	61.0	62.6	63.2	63.6	63.6	63.6	63.7	63.8	63.8	63.8
≥ 16000	1.3	44.3	49.2	54.6	58.7	59.9	61.2	62.8	63.4	63.8	63.8	63.8	63.9	64.0	64.0	64.0
≥ 14000	1.4	44.6	49.4	54.9	59.2	60.4	61.8	63.3	64.0	64.3	64.3	64.3	64.4	64.6	64.6	64.6
≥ 12000	2.3	46.2	51.4	57.1	61.6	62.8	64.1	65.7	66.3	66.7	66.7	66.7	66.8	66.9	66.9	66.9
≥ 10000	22.7	47.7	53.0	58.7	63.2	64.9	66.3	67.9	68.9	69.1	69.2	69.2	69.3	69.4	69.4	69.4
≥ 9000	23.2	43.4	54.1	60.1	64.7	66.3	67.9	69.4	70.3	70.7	70.8	70.8	70.9	71.0	71.0	71.0
≥ 8000	24.3	50.9	56.6	63.4	68.4	70.6	72.1	73.7	74.6	75.0	75.1	75.1	75.2	75.3	75.3	75.3
≥ 7000	24.3	51.8	58.2	65.2	70.4	72.6	74.2	75.9	76.8	77.2	77.3	77.3	77.4	77.6	77.6	77.6
≥ 6000	25.3	52.8	59.2	66.3	71.9	74.1	75.8	77.4	78.4	78.9	79.0	79.0	79.1	79.2	79.2	79.2
≥ 5000	25.8	54.0	60.7	68.0	73.8	76.0	77.9	79.6	80.6	81.0	81.1	81.1	81.2	81.3	81.3	81.3
≥ 4500	26.3	55.0	61.8	69.1	74.9	77.1	79.1	81.0	82.1	82.7	82.9	82.9	83.0	83.1	83.1	83.1
≥ 4000	27.1	57.1	64.1	71.9	78.1	80.4	82.4	84.4	85.6	86.2	86.4	86.4	86.6	86.7	86.7	86.8
≥ 3500	27.1	57.4	64.4	72.2	78.4	80.8	83.0	85.1	86.2	86.9	87.1	87.1	87.2	87.3	87.3	87.4
≥ 3000	27.1	57.8	65.2	73.1	79.7	82.1	84.7	86.8	87.9	88.7	88.9	88.9	89.0	89.1	89.1	89.2
≥ 2500	27.2	58.0	65.4	73.3	80.0	82.4	85.0	87.1	88.2	89.0	89.2	89.2	89.3	89.4	89.4	89.6
≥ 2000	27.2	58.4	65.9	73.8	80.8	83.2	86.0	88.1	89.2	90.0	90.2	90.2	90.3	90.4	90.4	90.6
≥ 1800	27.2	58.4	65.9	73.8	80.8	83.2	86.0	88.1	89.2	90.0	90.2	90.2	90.3	90.4	90.4	90.6
≥ 1500	27.2	58.6	66.0	74.0	81.0	83.4	86.6	88.7	89.8	90.6	90.8	90.8	90.9	91.0	91.0	91.1
≥ 1200	27.3	58.9	66.4	74.6	81.8	84.2	87.3	89.7	90.8	91.6	91.8	91.8	91.9	92.0	92.0	92.1
≥ 1000	27.3	59.1	66.7	74.9	82.4	84.9	88.0	90.4	91.6	92.3	92.7	92.7	92.8	92.9	92.9	93.0
≥ 900	27.3	59.4	67.1	75.4	83.2	85.8	88.9	91.4	92.6	93.3	93.7	93.7	93.8	93.9	93.9	94.0
≥ 800	27.3	60.0	67.8	76.4	84.8	87.4	90.6	93.1	94.2	95.0	95.3	95.3	95.4	95.6	95.6	95.7
≥ 700	27.3	60.0	67.8	76.4	85.1	88.0	91.3	93.9	95.0	95.8	96.1	96.1	96.2	96.3	96.3	96.4
≥ 600	27.3	60.0	67.8	76.4	85.2	88.2	91.6	94.2	95.4	96.2	96.7	96.7	96.8	96.9	96.9	97.1
≥ 500	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.4	96.7	97.4	97.9	97.9	98.0	98.1	98.1	98.4
≥ 400	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.6	97.0	97.8	98.2	98.2	98.3	98.4	98.4	98.6
≥ 300	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.7	97.1	97.9	98.6	98.7	98.8	99.0	99.0	99.3
≥ 200	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.7	97.1	97.9	98.7	98.8	98.9	99.1	99.1	99.4
≥ 100	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.7	97.1	97.9	98.7	98.8	98.9	99.1	99.1	99.8
≥ 0	27.3	60.1	68.1	76.8	85.7	88.8	92.3	95.7	97.1	97.9	98.7	98.8	98.9	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	29.9	51.6	55.4	58.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	30.8	55.7	60.2	63.1	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	30.8	55.7	60.6	63.4	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	30.8	55.7	60.6	63.4	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	31.1	56.1	61.1	64.0	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	31.6	57.9	63.2	66.7	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	32.2	61.1	65.4	69.0	70.7	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	32.7	61.1	66.6	70.2	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 8000	33.3	63.3	68.9	72.7	74.4	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	34.4	64.8	70.6	74.6	76.3	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	35.0	65.4	71.2	75.3	77.1	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	35.4	66.8	72.7	77.0	78.9	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	35.8	67.1	73.2	77.8	79.7	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	37.4	69.4	76.1	81.0	82.9	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	38.3	71.0	77.8	82.8	84.8	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	39.2	72.7	79.6	84.7	86.9	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	40.1	73.7	80.8	86.0	88.2	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	40.6	74.8	82.1	87.6	89.9	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	40.7	75.0	82.6	88.1	90.6	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	41.1	76.2	84.0	90.2	92.9	93.6	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	41.6	76.9	84.7	90.9	93.9	94.6	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	41.6	77.2	85.0	91.7	94.9	95.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	41.6	77.7	85.6	92.3	95.6	96.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	41.6	78.0	85.9	92.8	96.0	96.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	41.6	78.0	85.9	92.9	96.3	97.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	41.6	78.0	85.9	92.9	96.6	98.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	41.6	78.1	86.1	93.2	96.9	98.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	41.6	78.1	86.1	93.2	96.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	41.6	78.1	86.1	93.2	96.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	41.6	78.1	86.1	93.2	96.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	41.6	78.1	86.1	93.2	96.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	41.6	78.1	86.1	93.2	96.9	98.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

0343

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640

WRIGHT-PATTERSON AFB OH

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS CST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	73.3	47.1	49.3	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	77.1	52.4	54.0	55.9	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 18000	37.1	52.7	55.1	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	37.2	52.8	55.3	56.3	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000	37.3	52.9	55.6	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	37.7	54.2	57.1	58.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000	39.7	58.0	61.1	62.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 9000	40.2	59.3	62.4	63.7	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	41.4	62.8	65.9	67.1	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 7000	42.3	63.9	67.2	68.4	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000	42.9	64.9	68.2	69.4	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 5000	43.6	66.4	70.6	72.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	44.0	67.2	71.4	72.9	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	47.1	72.6	76.9	78.6	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	50.2	76.7	81.2	83.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	51.8	79.9	84.8	87.1	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	52.8	81.4	86.4	89.2	91.2	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	53.1	83.0	88.3	91.6	93.7	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	53.2	83.2	88.7	92.0	94.2	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	53.6	84.9	90.6	94.1	96.7	96.9	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	53.6	85.0	90.7	94.2	96.8	97.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	53.8	85.7	91.3	95.2	97.8	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	53.9	85.9	91.7	95.6	98.2	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	53.9	86.0	91.8	95.8	98.6	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	53.9	86.0	91.8	95.8	98.6	98.9	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	53.9	86.0	91.8	95.8	98.6	98.9	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/6	≥1/8	≥0
NO CEILING	34.2	49.2	50.2	51.2	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	42.7	55.8	57.2	58.3	59.1	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 18000	42.4	56.1	57.6	58.7	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	43.1	56.2	57.7	58.8	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	43.1	56.3	57.8	58.9	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	43.7	57.4	59.0	60.1	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	45.4	60.4	62.6	64.0	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	45.9	61.6	63.7	65.2	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	48.0	64.4	66.6	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	48.3	65.2	67.6	69.2	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	49.7	67.2	69.7	71.7	72.1	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	51.3	69.6	72.6	75.2	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	51.8	71.6	74.6	77.2	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000	55.3	77.7	81.0	83.8	84.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	56.7	80.8	84.8	87.9	88.9	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	58.6	84.3	88.6	92.0	93.0	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	59.0	85.3	89.8	93.4	94.4	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	59.1	86.0	91.3	94.9	96.0	96.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	59.1	86.2	91.2	95.2	96.3	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	59.3	87.0	92.0	96.1	97.2	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1200	59.4	87.1	92.1	96.3	97.4	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 1000	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 900	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 800	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 700	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 600	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	60.0	88.0	93.0	97.2	98.3	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	14.1	55.0	57.4	58.3	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000	47.2	62.6	64.9	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	48.7	63.0	65.4	66.3	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 16000	48.8	63.1	65.7	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	48.8	63.2	65.8	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	49.9	64.4	67.1	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	51.6	67.6	70.4	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 9000	52.9	69.3	72.3	73.4	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	55.2	72.7	75.8	76.9	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	56.2	74.3	77.4	78.7	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	57.2	75.3	78.6	80.3	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	58.8	77.6	80.9	83.1	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	59.1	78.9	82.2	84.7	85.2	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	61.3	82.3	86.2	88.7	89.4	91.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	61.6	83.5	87.2	89.9	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3000	62.6	84.7	89.2	92.0	93.2	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2500	63.3	86.2	91.0	93.9	95.1	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	63.3	86.7	91.6	94.8	96.2	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	63.3	86.8	91.7	95.4	97.0	98.1	98.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 1500	63.3	86.8	91.7	95.4	97.0	98.1	98.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 1200	63.4	87.2	92.1	95.9	97.4	98.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 1000	63.4	87.4	92.3	96.1	97.7	98.8	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 900	63.4	87.4	92.3	96.1	97.7	98.8	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 800	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 700	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	63.6	87.6	92.4	96.2	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1334U
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING	45.9	58.9	60.6	61.6	61.8	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥20000	48.8	64.8	66.6	67.9	68.1	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 18000	49.1	64.9	66.9	68.2	68.4	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	49.2	65.2	67.0	68.3	68.6	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 14000	49.3	65.1	67.1	68.4	68.7	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	50.9	67.0	69.1	71.4	71.7	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	53.1	70.1	72.4	73.8	74.4	74.8	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000	54.0	71.1	73.4	74.8	75.4	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	56.4	74.4	76.8	78.1	78.8	79.1	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	57.6	75.8	78.1	79.6	81.2	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	58.4	77.1	79.4	81.4	82.1	82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 5000	59.9	79.2	81.7	83.7	84.4	84.8	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4500	60.3	80.2	82.9	85.1	86.0	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	63.2	84.3	86.7	89.1	90.6	90.9	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3500	64.6	85.8	88.9	91.3	92.9	93.2	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3000	65.3	86.8	90.0	92.7	94.6	94.9	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 2500	66.1	87.8	91.2	93.9	95.8	96.1	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	66.6	88.2	91.7	94.6	96.4	96.8	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	66.7	88.3	91.8	94.7	96.6	96.9	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	66.9	88.8	92.3	95.3	97.2	97.6	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	67.2	89.2	92.8	95.9	97.8	98.1	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	67.2	89.3	92.9	96.0	97.9	98.2	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	67.2	89.4	93.0	96.1	98.0	98.3	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	67.2	89.7	93.3	96.4	98.3	98.7	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	67.2	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	67.3	89.8	93.4	96.6	98.6	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13940
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	35.5	50.1	52.7	54.6	56.1	56.6	57.1	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8
≥ 20000	38.4	55.3	58.3	60.6	62.2	62.8	63.3	63.6	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.1
≥ 18000	38.5	55.5	58.5	60.8	62.5	63.1	63.6	63.9	64.0	64.1	64.2	64.2	64.2	64.2	64.3	64.3
≥ 16000	38.6	55.6	58.7	61.0	62.7	63.2	63.7	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.5
≥ 14000	38.8	55.9	59.1	61.3	63.0	63.5	64.1	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.8	64.8
≥ 12000	39.6	57.3	60.5	62.9	64.7	65.3	65.8	66.1	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5
≥ 10000	41.3	60.3	63.8	66.3	68.4	69.0	69.6	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.4	70.4
≥ 9000	42.2	61.6	65.2	67.8	69.8	70.5	71.1	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.9	71.9
≥ 8000	43.9	64.6	68.2	70.9	73.1	73.8	74.4	74.7	74.9	75.1	75.1	75.1	75.1	75.2	75.2	75.2
≥ 7000	44.7	65.8	69.6	72.4	74.6	75.3	76.0	76.3	76.5	76.7	76.7	76.7	76.7	76.8	76.8	76.8
≥ 6000	45.5	67.0	70.8	73.9	76.1	76.9	77.6	77.9	78.1	78.2	78.3	78.3	78.3	78.4	78.4	78.4
≥ 5000	46.4	68.6	72.8	76.1	78.4	79.2	79.9	80.2	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.8
≥ 4500	47.1	70.0	74.2	77.6	80.0	80.8	81.6	81.9	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.5
≥ 4000	49.2	73.4	77.9	81.5	84.2	85.1	85.9	86.3	86.5	86.7	86.8	86.8	86.8	86.9	86.9	86.9
≥ 3500	50.1	75.3	79.7	83.5	86.4	87.3	88.1	88.5	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.1
≥ 3000	51.2	76.7	81.6	85.5	88.6	89.6	90.5	90.9	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.6
≥ 2500	51.6	77.6	82.7	86.7	89.9	90.9	91.8	92.3	92.5	92.7	92.8	92.8	92.9	92.9	92.9	93.0
≥ 2000	51.8	78.3	83.6	87.9	91.2	92.1	93.1	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.4
≥ 1800	51.9	78.6	83.8	88.2	91.5	92.4	93.5	94.0	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7
≥ 1500	52.2	79.3	84.7	89.2	92.7	93.7	94.8	95.3	95.6	95.8	95.9	96.0	96.0	96.0	96.1	96.1
≥ 1200	52.3	79.8	85.1	89.8	93.5	94.3	95.5	96.1	96.3	96.6	96.7	96.7	96.7	96.7	96.8	96.8
≥ 1000	52.5	80.3	85.7	90.6	94.2	95.2	96.4	97.0	97.3	97.5	97.6	97.6	97.7	97.7	97.7	97.8
≥ 900	52.5	80.5	86.0	90.9	94.5	95.5	96.7	97.4	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.2
≥ 800	52.6	80.8	86.3	91.3	95.0	96.1	97.3	98.0	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.8
≥ 700	52.6	80.8	86.3	91.3	95.2	96.3	97.6	98.2	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.1
≥ 600	52.6	80.8	86.3	91.3	95.2	96.4	97.7	98.4	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.3
≥ 500	52.6	80.9	86.4	91.4	95.4	96.6	97.9	98.7	99.0	99.3	99.4	99.5	99.5	99.5	99.6	99.7
≥ 400	52.6	80.9	86.4	91.4	95.4	96.6	98.0	98.6	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.7
≥ 300	52.6	80.9	86.4	91.4	95.4	96.6	98.0	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.8	99.9
≥ 200	52.6	80.9	86.4	91.4	95.4	96.6	98.0	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.8	99.9
≥ 100	52.6	80.9	86.4	91.4	95.4	96.6	98.0	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.8	99.9
≥ 0	52.6	80.9	86.4	91.4	95.4	96.6	98.0	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	40.5	55.9	60.2	62.7	65.4	66.1	66.8	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	42.4	58.8	64.6	67.4	71.0	71.8	72.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 18000	42.4	58.8	64.6	67.5	71.1	71.9	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 16000	42.4	59.1	64.9	67.8	71.4	72.3	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	42.9	59.4	65.2	68.1	71.6	72.5	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	42.9	60.1	66.1	69.0	72.8	73.8	74.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 10000	44.5	62.7	68.8	72.5	76.3	77.5	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	44.5	62.8	69.0	72.7	76.7	77.8	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000	45.4	65.1	71.3	74.9	78.9	80.1	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	46.2	66.7	73.1	76.8	81.0	82.2	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	46.5	67.1	73.9	77.7	81.9	83.1	84.0	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	47.1	68.4	75.3	79.1	83.3	84.5	85.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	47.6	69.6	76.7	80.6	84.8	86.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	48.6	71.9	79.4	83.3	87.6	88.8	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	48.8	73.1	80.5	84.9	89.2	90.4	91.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	49.0	73.7	81.4	85.8	90.1	91.3	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	49.2	74.1	81.8	86.2	90.5	91.7	93.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	49.2	74.4	82.5	87.1	91.5	92.9	94.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	49.2	74.4	82.5	87.1	91.5	92.9	94.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	49.2	74.8	83.2	88.0	92.5	93.9	95.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	49.4	75.4	84.0	88.7	93.2	94.7	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	49.4	75.5	84.2	89.1	93.9	95.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	49.4	75.5	84.2	89.1	93.9	95.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	49.4	75.7	84.4	89.5	94.3	96.0	97.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	49.4	75.7	84.4	89.6	94.8	96.8	98.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	49.4	75.7	84.4	89.6	94.9	96.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	49.4	75.7	84.4	89.6	94.9	96.9	98.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384J
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS CST

CEILING (FEET)	VISIBILITY: STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	≥0
NO CEILING	20.4	43.9	49.1	52.7	55.2	59.9	61.9	64.3	64.7	65.5	65.6	65.6	65.9	65.9	66.0	66.0	66.0
≥ 20000	31.6	46.2	51.9	56.5	62.4	64.4	66.6	68.9	69.4	70.2	70.5	70.5	70.9	70.9	71.0	71.0	71.0
≥ 18000	31.6	46.2	51.9	56.6	62.6	64.6	66.8	69.2	69.7	70.5	70.9	70.9	71.2	71.2	71.3	71.3	71.3
≥ 16000	31.7	46.3	52.2	56.9	63.0	65.1	67.2	69.7	70.1	71.0	71.3	71.3	71.6	71.6	71.7	71.7	71.7
≥ 14000	31.9	46.6	52.5	57.3	63.4	65.5	67.6	70.1	70.5	71.4	71.7	71.7	72.0	72.0	72.2	72.2	72.2
≥ 12000	32.6	48.0	54.0	58.7	64.9	67.0	69.2	71.7	72.2	73.0	73.4	73.4	73.8	73.8	73.9	73.9	73.9
≥ 10000	33.4	50.4	57.1	62.8	69.6	71.8	74.1	76.6	77.0	77.8	78.3	78.3	78.6	78.6	78.7	78.7	78.7
≥ 9000	33.8	50.9	57.5	63.2	70.1	72.4	74.6	77.1	77.5	78.4	78.8	78.8	79.1	79.1	79.2	79.2	79.2
≥ 8000	34.5	52.4	59.0	64.7	72.2	74.5	76.8	79.4	79.8	80.6	81.1	81.1	81.5	81.5	81.6	81.6	81.6
≥ 7000	35.2	53.3	60.3	66.1	74.2	76.5	78.8	81.4	81.8	82.7	83.1	83.1	83.5	83.5	83.7	83.7	83.7
≥ 6000	35.2	53.5	60.6	66.6	74.8	77.3	79.6	82.2	82.6	83.4	83.9	83.9	84.3	84.3	84.4	84.4	84.4
≥ 5000	35.4	54.1	61.3	67.3	75.6	78.1	80.4	83.1	83.5	84.4	84.8	84.8	85.3	85.3	85.4	85.4	85.4
≥ 4500	35.9	55.2	62.4	68.5	76.8	79.2	81.6	84.3	84.7	85.6	86.0	86.0	86.5	86.5	86.6	86.6	86.6
≥ 4000	36.0	55.8	63.0	69.5	78.3	81.1	83.7	86.5	86.9	87.7	88.2	88.2	88.6	88.6	88.7	88.7	88.7
≥ 3500	36.6	57.0	64.4	71.0	79.9	82.7	85.3	88.1	88.5	89.4	89.8	89.8	90.2	90.2	90.3	90.3	90.3
≥ 3000	36.6	57.2	64.7	71.3	80.5	83.3	85.9	88.7	89.1	90.0	90.4	90.4	90.9	90.9	91.0	91.0	91.0
≥ 2500	36.6	57.4	65.3	71.8	81.1	83.9	86.5	89.2	89.7	90.5	91.0	91.0	91.4	91.4	91.5	91.5	91.5
≥ 2000	36.9	58.1	66.0	72.8	82.0	84.8	87.4	90.2	90.6	91.5	91.9	91.9	92.4	92.4	92.5	92.5	92.5
≥ 1800	36.9	58.1	66.0	72.8	82.0	84.9	87.5	90.3	90.8	91.6	92.0	92.0	92.5	92.5	92.6	92.6	92.6
≥ 1500	37.1	58.6	66.6	73.4	82.8	85.9	88.5	91.3	91.7	92.6	93.0	93.0	93.4	93.4	93.5	93.5	93.5
≥ 1200	37.2	58.8	66.9	73.8	83.1	86.2	88.8	91.6	92.0	92.9	93.3	93.3	93.8	93.8	93.9	93.9	93.9
≥ 1000	37.2	59.4	67.5	74.5	84.1	87.2	90.1	92.9	93.3	94.2	94.6	94.6	95.1	95.1	95.2	95.2	95.2
≥ 900	37.2	59.5	67.6	74.7	84.6	87.8	90.8	93.5	94.0	94.8	95.3	95.3	95.7	95.7	95.8	95.8	95.8
≥ 800	37.2	59.6	67.7	74.8	84.8	88.1	91.0	93.8	94.2	95.1	95.5	95.5	95.9	95.9	96.0	96.0	96.0
≥ 700	37.2	59.6	68.0	75.3	85.4	88.7	91.9	94.7	95.2	96.0	96.5	96.5	96.9	96.9	97.0	97.0	97.0
≥ 600	37.2	59.8	68.3	75.7	86.1	89.5	92.9	95.7	96.1	97.0	97.4	97.4	97.8	97.8	98.0	98.0	98.0
≥ 500	37.2	59.8	68.3	75.7	86.1	89.6	93.3	96.3	96.8	97.6	98.1	98.1	98.6	98.6	98.7	98.7	98.7
≥ 400	37.2	59.8	68.4	75.8	86.2	89.8	93.7	96.7	97.4	98.3	98.7	98.7	99.2	99.2	99.4	99.4	99.4
≥ 300	37.2	59.8	68.4	75.8	86.2	89.8	93.7	96.7	97.4	98.6	99.0	99.0	99.6	99.6	99.8	99.8	99.8
≥ 200	37.2	59.8	68.4	75.8	86.2	89.8	93.7	96.7	97.4	98.6	99.0	99.0	99.6	99.6	99.8	99.8	99.8
≥ 100	37.2	59.8	68.4	75.8	86.2	89.8	93.7	96.7	97.4	98.6	99.0	99.0	99.6	99.6	99.8	99.8	99.8
≥ 0	37.2	59.8	68.4	75.8	86.2	89.8	93.7	96.7	97.4	98.6	99.0	99.0	99.6	99.6	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 931

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	16.9	35.6	40.9	46.0	50.2	52.9	55.1	58.1	59.2	59.6	60.3	60.3	60.3	60.3	60.5	60.6
≥ 20000	18.2	38.4	43.7	48.4	53.3	56.2	58.6	61.7	63.1	63.7	64.4	64.4	64.4	64.5	64.6	64.7
≥ 18000	18.3	38.9	43.3	48.7	53.8	56.8	59.1	62.5	63.7	64.2	64.9	64.9	65.1	65.2	65.2	65.3
≥ 16000	18.3	38.9	43.3	48.7	54.0	57.0	59.5	62.8	64.0	64.5	65.3	65.3	65.4	65.5	65.5	65.6
≥ 14000	18.3	39.1	43.7	49.0	54.3	57.3	59.8	63.1	64.3	64.8	65.6	65.6	65.7	65.8	65.8	65.9
≥ 12000	18.4	40.0	44.5	50.2	55.6	58.6	61.2	64.5	65.7	66.5	67.3	67.3	67.4	67.5	67.5	67.6
≥ 10000	18.6	42.3	46.9	53.0	59.1	62.5	65.2	68.5	69.7	70.4	71.3	71.3	71.5	71.6	71.6	71.7
≥ 9000	18.9	42.5	47.1	53.3	59.7	63.1	66.1	69.6	70.8	71.6	72.5	72.5	72.7	72.8	72.8	72.9
≥ 8000	19.5	44.1	48.9	55.7	62.1	65.9	69.0	72.8	74.0	74.3	75.7	75.7	75.9	76.0	76.0	76.1
≥ 7000	20.0	44.9	50.2	57.2	64.1	68.0	71.1	74.8	76.0	76.9	77.7	77.7	78.0	78.1	78.1	78.2
≥ 6000	20.0	45.1	50.3	57.5	64.8	68.5	71.8	75.6	76.8	77.6	78.5	78.5	78.7	78.8	78.8	78.9
≥ 5000	20.0	45.9	51.3	58.5	65.8	69.6	73.0	77.1	78.3	79.2	80.1	80.1	80.3	80.4	80.4	80.5
≥ 4500	20.2	46.3	51.7	58.9	66.5	70.2	73.7	77.7	78.9	79.9	80.8	80.8	81.0	81.1	81.1	81.2
≥ 4000	20.3	47.2	52.7	60.2	68.2	71.9	75.8	80.3	81.5	82.5	83.3	83.3	83.5	83.7	83.7	83.8
≥ 3500	20.4	47.5	53.2	61.0	68.9	72.8	76.9	81.4	82.6	83.5	84.4	84.4	84.6	84.7	84.7	84.8
≥ 3000	20.5	48.3	54.1	61.9	70.2	74.1	78.4	83.0	84.2	85.3	86.1	86.1	86.3	86.5	86.5	86.6
≥ 2500	20.5	48.6	54.5	62.5	71.1	75.1	79.6	84.2	85.4	86.5	87.3	87.3	87.5	87.6	87.6	87.7
≥ 2000	20.6	48.9	55.1	63.1	71.8	75.8	80.3	85.1	86.2	87.3	88.2	88.2	88.4	88.5	88.5	88.6
≥ 1800	20.9	49.2	55.4	63.5	72.4	76.3	80.9	85.6	86.8	87.8	88.7	88.7	88.9	89.0	89.0	89.1
≥ 1500	20.9	49.5	55.7	64.1	73.3	77.3	82.0	87.0	88.4	89.5	90.3	90.3	90.5	90.6	90.6	90.8
≥ 1200	20.9	49.6	55.9	64.4	74.3	78.4	83.2	88.3	89.7	90.8	91.6	91.6	91.8	91.9	91.9	92.0
≥ 1000	20.9	49.7	56.0	64.6	74.7	79.0	84.1	89.4	90.8	91.8	92.7	92.7	92.9	93.0	93.0	93.1
≥ 900	20.9	49.7	56.0	64.7	74.8	79.1	84.3	89.7	91.1	92.2	93.0	93.0	93.2	93.3	93.3	93.4
≥ 800	20.9	49.8	56.1	64.8	75.2	79.6	84.7	90.1	91.5	92.7	93.5	93.5	93.8	93.9	93.9	94.0
≥ 700	20.9	50.1	56.6	65.4	75.8	80.2	85.5	90.9	92.5	93.7	94.5	94.5	94.7	94.8	94.8	94.9
≥ 600	20.9	50.2	56.8	65.6	76.1	80.5	86.0	91.6	93.2	94.5	95.4	95.4	95.6	95.7	95.7	95.8
≥ 500	20.9	50.2	56.8	65.7	76.2	81.0	86.5	92.3	94.1	95.5	96.3	96.3	96.7	96.8	96.9	97.0
≥ 400	20.9	50.3	56.9	65.8	76.3	81.1	86.7	92.9	94.6	96.3	97.2	97.2	97.5	97.6	97.7	97.8
≥ 300	20.9	50.3	56.9	65.8	76.3	81.1	86.7	92.9	94.8	96.6	97.6	97.6	98.1	98.2	98.5	98.8
≥ 200	20.9	50.3	56.9	65.8	76.3	81.1	86.7	92.9	94.8	96.6	97.6	97.6	98.2	98.3	98.9	99.7
≥ 100	20.9	50.3	56.9	65.8	76.3	81.1	86.7	92.9	94.8	96.6	97.6	97.6	98.2	98.3	98.9	99.8
≥ 0	20.9	50.3	56.9	65.8	76.3	81.1	86.7	92.9	94.8	96.6	97.6	97.6	98.2	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	28.9 51.1	47.8 51.3	53.2 56.9	56.7 60.6	59.4 63.3	60.2 64.2	60.4 64.6	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2	61.0 65.2
≥ 18000	31.1	51.4	57.7	60.8	63.4	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	31.1	51.5	57.1	61.1	63.8	64.6	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	31.2	51.7	57.3	61.5	64.2	65.1	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	31.5	52.7	58.8	63.0	65.7	66.7	67.1	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	32.6	55.1	61.4	66.7	69.8	70.9	71.3	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 9000	32.7	55.8	62.8	67.5	70.9	72.3	72.7	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	33.2	57.7	64.8	69.7	73.2	74.7	75.2	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	33.3	58.1	65.4	71.0	74.5	76.0	76.5	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	33.7	58.4	65.7	71.5	75.1	76.6	77.0	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	33.8	59.0	66.3	72.2	75.8	77.3	77.7	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	34.1	59.8	67.3	73.1	76.8	78.3	78.8	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	34.4	60.8	68.4	74.4	78.3	80.0	80.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	34.5	61.6	69.2	75.5	79.9	81.6	82.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000	35.2	63.1	71.4	77.8	82.0	84.7	85.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	35.6	64.0	72.3	78.7	83.8	85.7	86.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	35.9	64.7	73.1	80.1	85.6	87.6	88.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	36.0	64.8	73.2	80.3	86.0	88.2	89.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	36.1	65.5	74.0	81.5	87.2	89.4	90.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	36.6	66.3	75.6	83.4	90.0	92.2	93.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	36.6	66.9	76.2	84.5	91.4	93.9	94.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	36.6	67.0	76.3	84.8	91.8	94.4	95.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	36.6	67.0	76.7	85.3	92.4	94.9	96.1	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	36.6	67.1	76.9	85.7	93.0	95.6	96.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	36.6	67.5	77.4	86.3	93.8	96.3	97.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	36.6	67.5	77.4	86.3	93.9	96.6	98.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	30.8	44.8	48.6	50.5	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	34.8	52.0	56.2	58.3	60.1	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 18000	34.8	52.0	56.2	58.3	60.1	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 16000	34.8	52.2	56.5	58.5	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 14000	34.8	52.6	57.3	59.0	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	34.9	53.5	58.1	60.1	62.0	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	36.0	56.1	60.9	63.0	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	36.1	56.8	61.5	63.7	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	36.9	58.4	63.2	65.5	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	37.3	59.0	63.9	66.2	68.5	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	38.0	59.7	64.6	67.4	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 5000	38.1	60.8	65.7	68.5	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500	39.0	62.2	67.5	70.3	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	39.7	64.8	70.6	74.1	77.6	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	40.9	68.4	74.4	78.6	82.3	82.6	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	41.5	71.0	77.5	82.0	86.8	87.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	42.4	73.0	79.8	84.5	89.7	90.5	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	42.9	74.6	82.2	87.2	92.6	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	42.9	74.8	82.5	87.7	93.1	94.1	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	43.1	76.0	83.8	89.1	94.8	95.9	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	43.2	76.6	84.7	90.4	96.1	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	43.2	76.7	85.2	91.1	96.8	97.8	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	43.2	76.7	85.2	91.1	96.8	98.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	43.2	76.7	85.2	91.1	96.8	98.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	43.2	76.8	85.5	91.4	97.1	98.4	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	43.2	76.8	85.5	91.4	97.1	98.4	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	43.2	76.9	85.6	91.5	97.2	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	31.4	43.5	47.7	49.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	36.2	51.1	55.9	58.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	36.3	51.1	55.9	58.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	36.5	51.2	56.1	58.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	35.0	51.7	56.7	59.1	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	37.0	52.7	57.6	60.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	39.1	56.6	61.8	64.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	39.4	57.6	62.9	65.8	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	40.8	60.8	66.5	69.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	41.4	62.3	68.0	71.1	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	41.3	62.9	68.6	71.7	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	42.9	64.6	70.6	74.1	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	43.4	66.5	73.3	77.0	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	44.6	69.1	76.7	81.0	83.7	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	45.2	71.7	79.8	84.2	87.3	87.6	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	46.3	74.1	82.8	87.6	90.9	91.5	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	47.0	75.7	84.5	89.4	92.8	93.4	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	47.4	77.3	86.1	91.3	94.9	95.8	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	47.4	77.5	86.3	91.5	95.2	96.0	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	47.5	77.8	86.7	92.0	95.9	96.8	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	47.5	77.8	86.7	92.4	96.5	97.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	47.5	77.8	86.7	92.7	96.9	97.7	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	47.5	77.8	86.7	92.8	97.0	98.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	47.5	78.0	86.8	93.0	97.2	98.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13841
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 1	≥ .5	≥ .5	≥ .5	≥ 1/2	≥ 1/4	≥ 0
NO CEILING	37.8	53.3	54.6	57.7	58.7	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	41.7	55.8	61.0	64.5	66.8	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 18000	41.9	56.0	61.2	64.7	66.0	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 16000	41.4	56.0	61.2	64.7	66.0	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 14000	42.0	56.3	61.6	65.6	66.9	67.0	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	42.4	57.5	63.2	67.6	68.9	69.7	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	44.2	60.6	66.7	71.5	72.9	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	41.7	61.3	67.4	72.4	74.0	74.7	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	45.7	64.6	70.9	75.9	77.7	78.5	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	46.5	65.6	72.0	77.2	79.0	79.8	79.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	47.1	66.6	73.2	78.5	80.4	81.2	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	47.6	68.2	75.5	80.9	83.0	84.0	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	47.8	69.0	76.3	82.2	84.4	85.4	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	49.0	72.0	80.0	86.0	88.4	89.4	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	49.1	73.4	81.6	88.2	91.0	91.9	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	49.1	74.0	82.4	89.0	91.9	93.2	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	49.1	74.7	83.2	89.9	92.8	94.4	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	49.5	75.4	84.0	90.9	93.9	95.6	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	49.5	75.5	84.1	91.0	94.0	95.7	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	49.5	75.6	84.2	91.2	94.6	96.3	97.1	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	49.6	75.8	84.4	91.4	94.9	96.7	97.7	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	49.6	75.8	84.4	91.6	95.4	97.1	98.3	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	49.6	75.8	84.4	91.8	95.6	97.3	98.5	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	49.6	75.8	84.4	91.8	95.8	97.5	98.7	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840 WRIGHT-PATTERSON AFB OH

58-70, 73-79

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS: 1ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	43.5	56.5	60.1	62.7	64.3	64.9	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	45.4	61.7	65.6	69.0	71.1	71.7	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 18000	45.5	61.9	65.8	69.2	71.3	71.9	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	45.5	62.2	66.0	69.5	71.5	72.2	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	45.5	62.2	66.0	69.5	71.6	72.4	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 12000	45.7	62.8	67.2	71.1	73.2	74.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	47.8	65.8	70.4	74.5	76.9	78.1	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	48.2	66.3	71.0	75.1	77.4	78.6	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	49.6	69.5	74.1	78.7	81.1	82.3	82.5	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
≥ 7000	49.9	69.9	74.7	79.6	81.9	83.1	83.3	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 6000	49.9	70.4	75.7	81.1	83.4	84.6	84.8	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
≥ 5000	50.2	71.4	76.7	82.0	84.4	85.7	85.9	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
≥ 4500	50.2	72.3	77.6	83.0	85.6	86.9	87.1	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 4000	51.5	74.8	80.4	86.1	88.9	90.2	90.4	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 3500	51.9	75.7	81.3	87.3	90.4	91.7	91.9	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
≥ 3000	52.5	76.6	82.4	88.7	92.2	93.5	93.8	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 2500	52.7	77.1	83.0	89.6	93.1	94.6	94.8	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
≥ 2000	52.7	77.5	83.8	90.6	94.2	95.7	96.0	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 1800	52.7	77.7	84.0	90.9	94.5	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1500	52.7	78.1	84.4	91.5	95.4	96.9	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0
≥ 1200	52.7	78.2	84.5	91.6	95.8	97.3	97.6	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 1000	52.7	78.2	84.5	91.7	96.0	97.6	98.0	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.9	98.9
≥ 900	52.7	78.2	84.5	91.7	96.2	97.8	98.2	98.8	98.8	98.8	98.8	98.9	99.0	99.0	99.1	99.1
≥ 800	52.7	78.2	84.5	91.8	96.5	98.1	98.4	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.4	99.4
≥ 700	52.7	78.2	84.5	92.0	96.7	98.4	98.8	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8
≥ 600	52.7	78.2	84.5	92.0	96.8	98.5	98.9	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9
≥ 500	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0
≥ 400	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0
≥ 300	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0
≥ 200	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0
≥ 100	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0
≥ 0	52.7	78.2	84.5	92.0	96.8	98.6	99.0	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

KRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	32.5	47.4	51.8	54.9	57.5	58.3	59.0	59.9	60.1	60.3	60.4	60.4	60.4	60.4	60.5	60.5
≥ 20000	35.2	51.9	54.9	60.4	63.3	64.4	65.1	66.1	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7
≥ 18000	35.2	52.1	57.2	60.5	63.5	64.6	65.3	66.3	66.5	66.7	66.8	66.8	66.9	66.9	66.9	66.9
≥ 16000	35.3	52.2	57.2	60.7	63.8	64.8	65.6	66.6	66.8	66.9	67.1	67.1	67.1	67.2	67.2	67.2
≥ 14000	35.3	52.4	57.5	61.1	64.2	65.3	66.1	67.1	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.7
≥ 12000	35.7	53.4	58.7	62.5	65.7	66.8	67.6	68.6	68.8	69.1	69.2	69.2	69.3	69.3	69.3	69.3
≥ 10000	37.1	56.2	61.8	66.1	69.5	70.8	71.6	72.6	72.8	73.1	73.2	73.2	73.3	73.3	73.3	73.3
≥ 9000	37.3	56.7	62.4	66.7	70.2	71.6	72.4	73.5	73.7	74.0	74.1	74.1	74.2	74.2	74.2	74.2
≥ 8000	38.2	59.1	64.8	69.3	73.0	74.4	75.3	76.4	76.6	76.9	77.0	77.0	77.1	77.1	77.1	77.2
≥ 7000	38.7	60.0	66.0	70.6	74.5	75.9	76.8	78.0	78.2	78.4	78.6	78.6	78.7	78.7	78.7	78.7
≥ 6000	39.1	60.5	66.6	71.5	75.5	76.9	77.8	79.0	79.2	79.4	79.6	79.6	79.7	79.7	79.7	79.7
≥ 5000	39.4	61.5	67.8	72.8	76.9	78.3	79.3	80.5	80.7	81.0	81.1	81.1	81.2	81.2	81.3	81.3
≥ 4500	39.8	62.6	69.1	74.2	78.4	79.9	80.9	82.1	82.3	82.5	82.7	82.7	82.8	82.8	82.8	82.8
≥ 4000	40.5	64.8	71.4	76.8	81.4	82.9	84.1	85.5	85.7	85.9	86.1	86.1	86.2	86.2	86.2	86.2
≥ 3500	40.9	66.0	73.1	78.8	83.6	85.2	86.5	87.9	88.1	88.3	88.5	88.5	88.6	88.6	88.6	88.6
≥ 3000	41.3	67.2	74.6	80.5	85.7	87.4	88.8	90.2	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0
≥ 2500	41.6	68.1	75.6	81.6	86.9	88.7	90.1	91.5	91.7	92.0	92.2	92.2	92.3	92.3	92.3	92.3
≥ 2000	41.9	68.9	76.6	82.9	88.3	90.2	91.7	93.2	93.4	93.7	93.8	93.8	93.9	93.9	93.9	94.0
≥ 1800	41.9	69.0	76.7	83.1	88.6	90.5	92.0	93.5	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.3
≥ 1500	42.1	69.5	77.3	83.9	89.6	91.5	93.1	94.6	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4
≥ 1200	42.1	69.8	77.8	84.5	90.5	92.5	94.2	95.7	96.0	96.2	96.4	96.4	96.5	96.5	96.5	96.5
≥ 1000	42.1	70.0	78.1	85.0	91.1	93.3	95.0	96.6	96.8	97.1	97.3	97.3	97.4	97.4	97.4	97.4
≥ 900	42.1	70.0	78.1	85.1	91.3	93.5	95.3	96.9	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.7
≥ 800	42.1	70.1	78.2	85.3	91.6	93.8	95.6	97.2	97.4	97.7	97.9	97.9	98.0	98.1	98.1	98.1
≥ 700	42.1	70.1	78.4	85.5	92.0	94.2	96.0	97.7	98.0	98.3	98.5	98.5	98.6	98.6	98.6	98.6
≥ 600	42.1	70.2	78.5	85.7	92.2	94.5	96.4	98.1	98.3	98.6	98.8	98.8	98.9	99.0	99.0	99.0
≥ 500	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.4	98.7	99.0	99.2	99.2	99.3	99.4	99.4	99.4
≥ 400	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.5	98.8	99.2	99.4	99.4	99.5	99.6	99.6	99.6
≥ 300	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.5	98.9	99.3	99.5	99.5	99.7	99.7	99.8	99.8
≥ 200	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.5	98.9	99.3	99.5	99.5	99.7	99.7	99.8	99.9
≥ 100	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.5	98.9	99.3	99.5	99.5	99.7	99.7	99.8	100.0
≥ 0	42.1	70.3	78.5	85.7	92.3	94.6	96.6	98.5	98.9	99.3	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0350

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

66-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.7	≥1.4	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	35.4	44.5	53.6	58.8	62.1	63.3	64.0	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	36.5	52.5	57.2	62.6	66.4	68.1	69.0	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 18000	36.6	52.6	57.4	62.9	66.6	68.4	69.2	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 16000	36.6	52.6	57.4	62.9	66.6	68.4	69.2	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 14000	36.7	52.9	57.6	63.1	66.8	68.6	69.4	69.8	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	37.5	53.7	58.4	64.2	67.9	69.6	71.5	70.8	71.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	38.5	56.5	62.1	68.2	72.1	74.3	74.8	75.1	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	39.6	56.6	62.3	68.6	72.4	74.3	75.1	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	39.4	58.2	64.3	70.5	74.4	76.4	77.3	77.6	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 7000	39.7	59.0	65.4	71.8	75.9	77.9	78.8	79.1	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000	41.0	59.7	66.3	72.9	77.0	79.0	79.9	80.2	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 5000	41.1	61.5	68.4	75.2	79.8	81.8	82.7	83.0	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	41.7	61.7	68.9	75.9	80.5	82.6	83.4	83.7	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	41.6	63.5	71.2	78.5	83.3	85.6	86.4	86.8	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	42.5	66.0	74.2	81.8	87.0	89.3	90.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000	42.8	67.0	75.6	83.2	88.4	90.7	91.9	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	42.7	67.4	76.0	83.7	89.0	91.4	92.6	93.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	42.9	67.7	76.3	84.1	89.3	91.7	93.1	93.5	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	42.9	67.8	76.4	84.2	89.5	91.8	93.2	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	42.9	68.0	76.6	84.7	90.0	92.4	93.9	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	42.9	68.5	77.1	85.5	90.9	93.2	94.7	95.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	43.1	68.6	77.2	85.8	91.3	93.8	95.3	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	43.1	68.6	77.2	85.8	91.3	93.8	95.3	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	43.2	68.8	77.4	86.0	91.5	94.1	95.8	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	43.3	69.0	77.6	86.2	91.7	94.4	96.1	96.7	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	43.3	69.1	77.7	86.3	91.8	94.5	96.2	96.8	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	43.3	69.5	78.1	86.9	92.5	95.3	97.1	97.6	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	43.3	69.5	78.1	86.9	92.7	95.5	97.3	98.0	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	43.3	69.5	78.1	86.9	92.7	95.5	97.4	98.2	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	43.3	69.5	78.1	86.9	92.7	95.5	97.5	98.3	98.8	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	43.3	69.5	78.1	86.9	92.7	95.5	97.5	98.3	98.8	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	43.3	69.5	78.1	86.9	92.7	95.5	97.5	98.3	98.8	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

J300-0500
HOURLY TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	26.2	38.1	43.8	49.2	55.8	58.8	61.2	62.2	63.4	63.6	63.6	63.7	63.8	63.6	63.9	63.9
≥ 20000	27.0	40.0	46.5	52.3	59.6	63.5	66.2	67.3	68.7	68.9	68.9	69.0	69.2	69.2	69.3	69.3
≥ 18000	27.3	40.0	46.5	52.3	59.7	63.6	66.3	67.4	68.8	69.0	69.0	69.1	69.3	69.3	69.4	69.4
≥ 16000	27.6	40.0	46.5	52.3	59.7	63.6	66.3	67.4	68.8	69.0	69.0	69.1	69.3	69.3	69.4	69.4
≥ 14000	27.1	40.5	46.9	52.7	60.2	64.0	66.8	68.0	69.4	69.6	69.6	69.8	70.0	70.0	70.1	70.1
≥ 12000	27.7	41.2	47.9	53.7	61.2	65.1	67.9	69.1	70.5	70.7	70.7	70.8	71.0	71.0	71.2	71.2
≥ 10000	29.1	43.9	50.8	57.4	65.3	69.2	72.0	73.2	74.6	74.9	74.9	75.0	75.2	75.2	75.3	75.3
≥ 9000	29.4	44.3	51.2	57.8	65.8	69.6	72.7	73.8	75.2	75.6	75.6	75.7	75.9	75.9	76.0	76.0
≥ 8000	29.6	45.3	52.3	59.1	67.2	71.3	74.3	75.5	76.9	77.2	77.2	77.3	77.5	77.5	77.6	77.6
≥ 7000	30.0	46.1	53.5	60.3	68.6	72.8	75.8	77.0	78.4	78.7	78.7	78.8	79.0	79.0	79.1	79.1
≥ 6000	30.1	46.2	53.7	60.8	69.1	73.4	76.4	77.6	79.0	79.3	79.3	79.4	79.7	79.7	79.8	79.8
≥ 5000	30.8	46.9	54.6	61.8	70.5	74.9	78.0	79.2	80.6	80.9	80.9	81.1	81.3	81.3	81.4	81.4
≥ 4500	30.9	47.4	55.2	62.8	71.7	76.1	79.2	80.4	81.8	82.1	82.1	82.2	82.5	82.5	82.6	82.6
≥ 4000	31.1	48.1	57.1	64.9	74.1	78.5	81.7	82.9	84.3	84.6	84.6	84.7	84.9	84.9	85.0	85.0
≥ 3500	31.9	50.9	59.1	67.3	77.0	81.5	84.8	86.1	87.5	87.8	87.8	87.9	88.2	88.2	88.3	88.3
≥ 3000	32.5	52.0	60.5	69.4	79.7	84.3	87.7	89.1	90.5	90.9	90.9	91.0	91.2	91.2	91.3	91.3
≥ 2500	32.6	52.1	60.9	70.3	80.6	85.3	88.9	90.3	91.7	92.0	92.0	92.1	92.4	92.4	92.5	92.5
≥ 2000	32.7	52.5	61.5	71.0	81.4	86.1	89.8	91.2	92.6	92.9	92.9	93.0	93.2	93.2	93.3	93.3
≥ 1800	32.8	52.9	61.8	71.4	81.7	86.4	90.1	91.5	92.9	93.2	93.2	93.3	93.5	93.5	93.6	93.6
≥ 1500	32.9	53.0	62.0	71.6	82.5	87.2	91.0	92.4	93.8	94.1	94.1	94.2	94.4	94.4	94.5	94.5
≥ 1200	32.9	53.2	62.3	71.9	82.9	87.6	91.4	92.9	94.4	94.7	94.7	94.8	95.0	95.0	95.2	95.2
≥ 1000	32.9	53.2	62.4	72.0	83.1	87.8	91.6	93.1	94.6	94.9	94.9	95.0	95.3	95.3	95.4	95.4
≥ 900	32.9	53.2	62.4	72.0	83.1	87.9	91.7	93.2	94.7	95.0	95.0	95.2	95.4	95.4	95.5	95.5
≥ 800	32.9	53.4	62.6	72.2	83.4	88.5	92.2	93.8	95.3	95.6	95.6	95.7	95.9	95.9	96.0	96.0
≥ 700	33.3	53.7	63.1	72.8	84.0	89.1	92.9	94.4	95.9	96.2	96.2	96.3	96.6	96.6	96.7	96.7
≥ 600	33.3	53.8	63.2	73.0	84.3	89.5	93.2	94.7	96.2	96.6	96.6	96.7	96.9	96.9	97.0	97.0
≥ 500	33.3	53.8	63.4	73.5	85.1	90.3	94.2	95.9	97.5	97.8	97.8	98.0	98.2	98.2	98.3	98.3
≥ 400	33.3	53.8	63.4	73.5	85.1	90.3	94.2	96.0	97.6	98.0	98.3	98.4	98.6	98.6	98.7	98.7
≥ 300	33.3	53.8	63.4	73.5	85.1	90.3	94.4	96.3	98.0	98.3	98.6	98.7	98.9	98.9	99.0	99.1
≥ 200	33.3	53.8	63.4	73.5	85.1	90.3	94.4	96.3	98.1	98.6	98.9	99.0	99.5	99.5	99.6	99.7
≥ 100	33.3	53.8	63.4	73.5	85.1	90.3	94.4	96.3	98.1	98.6	98.9	99.0	99.5	99.5	99.7	100.0
≥ 0	33.3	53.8	63.4	73.5	85.1	90.3	94.4	96.3	98.1	98.6	98.9	99.0	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13040
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING /FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	13.2	24.4	29.4	36.3	42.8	45.4	50.3	55.4	56.8	57.5	58.1	58.1	58.4	58.5	58.6	58.7
≥ 20000	13.7	25.7	30.9	38.4	45.5	48.3	53.5	58.7	60.1	61.0	61.5	61.5	62.0	62.3	62.4	62.5
≥ 18000	13.4	26.2	31.4	39.0	46.2	49.0	54.3	59.5	60.9	61.8	62.4	62.4	62.9	63.1	63.2	63.3
≥ 16000	13.8	26.2	31.4	39.0	46.2	49.0	54.4	59.6	61.0	61.9	62.5	62.5	63.0	63.2	63.3	63.4
≥ 14000	13.9	26.5	31.6	39.4	46.8	49.8	55.2	60.3	62.0	63.0	63.5	63.5	64.1	64.3	64.4	64.5
≥ 12000	14.0	26.9	32.0	40.1	47.6	50.6	56.0	61.2	62.9	63.9	64.4	64.4	64.9	65.2	65.3	65.4
≥ 10000	14.7	29.1	34.6	43.0	51.9	55.1	60.5	65.8	67.5	68.5	69.0	69.0	69.6	69.8	69.9	70.0
≥ 9000	14.9	29.4	34.8	43.2	52.2	55.3	60.9	66.1	67.8	68.8	69.4	69.4	69.9	70.1	70.2	70.3
≥ 8000	15.1	30.1	36.0	44.8	54.1	57.4	63.3	68.8	70.5	71.5	72.0	72.0	72.6	72.8	72.9	73.0
≥ 7000	15.2	30.8	36.7	45.8	55.8	59.4	65.4	71.2	72.9	73.9	74.4	74.4	74.9	75.2	75.3	75.4
≥ 6000	15.2	31.2	37.1	46.3	56.5	60.1	66.3	72.2	73.9	74.8	75.5	75.5	76.1	76.3	76.5	76.6
≥ 5000	15.2	31.7	37.8	47.5	58.1	61.9	68.3	74.4	76.1	77.1	77.7	77.7	78.4	78.6	78.7	78.8
≥ 4500	15.3	32.2	38.4	48.3	58.8	62.7	69.1	75.3	77.0	78.0	78.7	78.7	79.4	79.6	79.7	79.8
≥ 4000	15.6	32.8	39.1	49.4	60.1	64.2	71.1	77.2	79.0	80.2	81.0	81.0	81.6	81.8	81.9	82.2
≥ 3500	15.8	33.1	39.6	49.8	60.8	64.9	72.0	78.3	80.1	81.4	82.2	82.2	82.8	83.0	83.1	83.3
≥ 3000	16.0	33.7	40.1	50.3	61.7	66.1	73.5	79.9	81.8	83.2	84.0	84.0	84.6	84.8	84.9	85.2
≥ 2500	16.0	33.9	40.4	50.9	62.4	66.8	74.4	80.8	82.7	84.1	84.8	84.8	85.5	85.7	85.8	86.0
≥ 2000	16.0	34.2	41.0	51.5	63.2	67.6	75.4	82.5	84.4	85.8	86.6	86.6	87.2	87.4	87.5	87.7
≥ 1800	16.0	34.3	41.1	51.7	63.4	67.8	75.6	82.7	84.6	86.0	86.8	86.8	87.4	87.6	87.7	88.0
≥ 1500	16.1	34.8	41.7	52.5	64.3	68.9	76.9	84.0	85.9	87.3	88.1	88.1	88.7	88.9	89.0	89.2
≥ 1200	16.2	34.9	41.8	52.6	64.6	69.6	77.7	84.9	86.9	88.3	89.0	89.0	89.7	89.9	90.0	90.2
≥ 1000	16.3	35.3	42.4	53.4	65.7	71.2	79.7	87.1	89.0	90.4	91.0	91.0	91.8	92.0	92.2	92.4
≥ 900	16.3	35.3	42.4	53.5	66.0	71.6	80.1	87.6	89.6	91.0	91.7	91.7	92.4	92.6	92.7	92.9
≥ 800	16.3	35.5	42.9	54.1	66.9	72.6	81.1	88.7	90.6	92.0	92.9	93.0	93.7	93.9	94.0	94.2
≥ 700	16.3	35.5	43.0	54.2	67.0	72.7	81.4	89.1	91.2	92.6	93.4	93.5	94.2	94.4	94.5	94.7
≥ 600	16.3	35.5	43.1	54.4	67.4	73.4	82.2	90.0	92.0	93.4	94.3	94.4	95.1	95.3	95.4	95.6
≥ 500	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	95.9	96.8	96.9	97.5	97.7	97.8	98.2
≥ 400	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	96.0	96.9	97.0	97.8	98.4	98.5	98.8
≥ 300	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	96.0	96.9	97.0	97.8	98.5	98.7	99.1
≥ 200	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	96.0	96.9	97.0	97.8	98.6	98.9	99.8
≥ 100	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	96.0	96.9	97.0	97.8	98.6	98.9	100.0
≥ 0	16.3	35.5	43.2	54.5	67.7	74.1	83.1	91.8	94.2	96.0	96.9	97.0	97.8	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	21.7	40.4	45.8	51.6	54.8	56.8	57.8	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	22.7	43.8	50.1	56.7	60.1	62.2	63.5	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	22.8	44.1	50.3	56.9	60.3	62.4	63.8	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	22.8	44.2	50.5	57.1	60.5	62.6	64.0	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	22.9	44.3	50.9	57.6	61.2	63.2	64.7	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	23.0	44.9	51.7	58.5	62.0	64.1	65.6	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	24.0	47.5	54.8	61.7	65.5	67.5	69.2	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	24.1	48.0	55.4	62.4	66.2	68.4	70.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	24.5	48.9	56.8	64.1	68.1	70.3	72.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000	24.7	49.6	57.7	65.7	69.9	72.3	74.0	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	24.8	50.1	58.5	66.6	70.8	73.1	74.8	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	24.8	50.9	59.5	68.3	72.8	75.2	77.0	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	25.1	51.4	60.1	69.1	73.7	76.0	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	25.4	51.7	60.5	69.7	74.2	76.7	78.6	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	25.6	52.3	61.4	70.9	75.6	78.1	80.0	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	26.0	53.7	63.2	73.0	78.0	80.5	82.6	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500	26.8	55.1	65.2	75.2	80.2	83.1	85.2	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	27.2	56.1	66.8	77.0	82.3	85.4	87.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1800	27.3	56.5	67.2	77.4	82.7	85.8	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	27.3	57.8	69.4	80.1	85.6	88.7	90.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	27.4	58.8	70.5	81.9	87.7	91.0	93.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	27.5	59.6	71.4	83.2	89.5	93.0	95.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	27.5	59.7	71.7	83.7	89.9	93.4	95.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	27.5	59.9	72.2	84.2	90.5	94.1	96.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
≥ 700	27.5	59.9	72.3	84.7	91.3	95.1	97.1	98.2	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 600	27.5	59.9	72.3	84.8	91.5	95.3	97.5	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 500	27.5	59.9	72.4	84.9	91.6	95.6	97.8	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 400	27.5	59.9	72.4	84.9	91.6	95.6	98.0	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	27.5	59.9	72.4	84.9	91.6	95.6	98.0	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0
≥ 200	27.5	59.9	72.4	84.9	91.6	95.6	98.0	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0
≥ 100	27.5	59.9	72.4	84.9	91.6	95.6	98.0	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0
≥ 0	27.5	59.9	72.4	84.9	91.6	95.6	98.0	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 931

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.7	45.6	50.1	52.6	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	29.7	51.6	56.6	59.5	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 18000	29.7	50.8	56.7	59.6	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	29.7	50.9	56.7	59.6	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	29.9	51.1	57.2	60.2	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	30.4	52.2	58.5	61.5	62.6	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	31.3	54.3	60.0	64.7	65.9	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	31.4	54.9	61.5	65.4	66.7	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000	31.6	56.5	63.2	67.3	68.7	69.1	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	31.9	57.1	64.0	68.2	69.6	70.0	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 6000	31.9	57.6	64.5	68.7	70.1	70.5	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	32.0	58.8	65.8	70.2	71.7	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	32.2	59.6	66.8	71.3	73.2	73.8	74.2	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	33.0	61.0	68.4	73.1	75.6	76.2	76.7	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	34.2	65.1	72.8	77.8	80.3	81.0	81.4	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	36.0	69.7	77.8	83.5	86.6	87.2	87.7	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	36.7	71.5	79.9	86.2	89.4	90.0	90.5	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	37.5	73.5	82.3	88.9	92.4	93.0	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	37.5	73.7	82.4	89.0	92.5	93.1	93.8	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	37.8	75.2	84.5	91.3	94.7	95.5	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	38.1	75.8	85.2	91.9	95.4	96.2	96.9	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	38.1	76.0	85.9	92.9	96.8	97.8	98.5	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	38.1	76.0	85.9	92.9	96.8	97.8	98.5	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	38.1	76.0	85.9	92.9	96.9	98.2	98.8	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	38.1	76.0	85.9	92.9	96.9	98.2	98.8	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	38.1	76.1	86.0	93.0	97.0	98.3	98.9	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	38.1	76.1	86.0	93.0	97.0	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

58-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
Nº CEILING	29.3	46.8	52.2	54.9	55.5	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	31.5	52.0	59.5	62.2	62.9	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 18000	31.5	52.0	59.5	62.2	62.9	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	31.5	52.0	59.5	62.2	62.9	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	31.5	52.0	60.1	62.9	63.5	64.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	32.2	53.2	60.8	63.9	64.6	65.1	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	33.4	56.5	64.8	68.4	69.2	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	33.4	57.1	65.3	68.9	69.8	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 8000	34.1	59.5	67.9	71.6	72.8	73.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	34.7	61.4	70.0	73.8	75.0	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	35.0	62.9	71.6	75.5	76.9	77.5	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 5000	35.2	64.4	73.4	77.4	79.0	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	35.4	65.4	74.7	78.7	80.3	81.1	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	36.7	67.2	77.1	81.5	83.2	84.0	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	37.8	69.2	79.5	84.4	86.2	87.4	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3000	39.0	72.6	83.7	89.5	91.6	92.5	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	39.5	74.1	85.6	91.4	93.5	94.4	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	39.8	74.8	86.3	92.1	94.4	95.3	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
IV 1800	39.8	74.9	86.5	92.4	94.6	95.5	95.7	96.2	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.6
IV 1500	39.9	75.1	86.9	92.8	95.2	96.1	96.3	96.5	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 1200	39.9	75.6	87.4	93.5	96.0	97.1	97.4	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 1000	39.9	75.6	87.5	93.6	96.2	97.3	97.7	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 900	39.9	75.6	87.5	93.8	96.4	97.5	98.0	98.5	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 800	39.9	75.7	87.6	94.0	96.7	97.7	98.3	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IV 700	39.9	75.7	87.6	94.0	96.7	98.0	98.5	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 600	39.9	75.7	87.6	94.0	96.7	98.0	98.5	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 500	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	39.9	75.7	87.6	94.0	96.8	98.1	98.6	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13940
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	32.9	51.2	55.7	58.9	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	34.2	54.2	61.1	65.2	66.8	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	34.2	54.4	61.3	65.5	67.3	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	34.2	54.4	61.3	65.5	67.3	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	34.4	54.7	61.6	65.8	67.6	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	35.5	56.4	63.3	67.7	69.6	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	37.0	59.8	67.4	72.5	74.8	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	37.4	60.9	68.5	73.9	76.2	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	38.2	62.5	70.7	76.3	78.6	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	39.2	64.9	73.1	79.1	81.6	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	39.5	66.2	74.4	80.4	82.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 5000	39.8	66.9	75.6	81.9	84.5	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	40.1	67.5	76.3	82.5	85.1	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4000	40.7	69.1	78.1	84.8	87.4	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	41.5	70.4	79.8	87.4	90.2	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	41.9	71.5	81.4	89.5	92.7	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	42.0	72.1	82.2	90.4	93.5	94.8	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2000	42.0	72.6	82.7	90.9	94.3	95.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	42.0	72.6	82.8	91.0	94.4	95.7	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	42.0	72.8	83.4	91.9	95.3	96.5	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	42.0	72.9	83.6	92.1	95.6	96.9	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	42.0	72.9	83.6	92.6	96.0	97.3	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	42.0	72.9	83.6	92.6	96.0	97.3	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	42.0	72.9	83.6	92.7	96.1	97.4	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	42.0	72.9	83.8	92.9	96.3	97.6	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	42.0	73.0	83.9	93.0	96.4	97.7	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	42.0	73.2	84.1	93.2	96.7	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-7
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	38.7	54.9	57.6	61.7	63.6	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	39.7	59.5	63.3	67.9	70.3	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	39.7	59.6	63.4	68.0	70.5	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 16000	39.7	59.6	63.4	68.0	70.5	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 14000	39.8	59.8	63.6	68.5	71.0	71.6	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	40.8	61.3	65.7	69.9	72.4	73.1	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	42.2	64.4	68.9	74.5	77.5	78.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 9000	42.4	64.9	69.7	75.3	78.5	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	43.3	66.8	71.9	77.9	80.7	81.8	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 7000	43.5	68.3	73.2	79.2	82.6	83.7	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	43.8	68.5	74.0	80.2	83.5	84.6	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5000	44.7	70.0	75.9	82.3	85.7	86.8	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	44.7	70.3	76.3	82.8	86.3	87.3	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	45.6	72.7	78.2	85.4	89.0	90.2	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	46.3	73.2	79.5	86.9	91.3	92.6	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	46.4	73.7	80.6	88.3	92.7	94.3	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	46.8	74.4	81.3	89.1	93.6	95.1	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	46.9	74.6	81.5	89.4	93.9	95.5	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	46.9	74.8	81.7	89.6	94.2	95.8	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	47.0	75.1	82.1	90.2	94.7	96.3	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	47.1	75.4	82.7	90.8	95.3	97.0	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	47.2	75.5	82.8	91.0	95.6	97.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	47.2	75.5	82.8	91.0	95.6	97.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	47.3	75.8	83.1	91.2	95.8	97.5	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	47.3	75.8	83.1	91.3	95.9	97.6	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	47.4	75.9	83.2	91.5	96.0	97.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	47.4	76.1	83.4	91.8	96.3	98.3	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 924

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	27.9	43.7	48.5	53.0	56.0	57.2	58.5	59.4	59.7	59.9	59.9	59.9	60.0	60.0	60.0	60.1
≥ 20000	29.4	47.3	53.1	58.1	61.5	63.1	64.4	65.4	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.2
≥ 18000	29.4	47.5	53.3	58.3	61.8	63.3	64.7	65.6	66.0	66.2	66.2	66.3	66.4	66.4	66.4	66.4
≥ 16000	29.4	47.5	53.3	58.3	61.8	63.4	64.7	65.7	66.0	66.2	66.3	66.3	66.4	66.4	66.5	66.5
≥ 14000	29.6	47.6	53.7	58.8	62.3	63.9	65.3	66.3	66.7	66.9	67.0	67.0	67.1	67.1	67.2	67.2
≥ 12000	30.1	48.7	54.7	59.9	63.5	65.1	66.5	67.5	68.0	68.2	68.2	68.2	68.3	68.4	68.4	68.4
≥ 10000	31.3	51.5	58.0	63.8	67.8	69.5	71.0	72.0	72.5	72.7	72.7	72.7	72.8	72.9	72.9	72.9
≥ 9000	31.4	52.0	58.6	64.4	68.4	70.2	71.7	72.7	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.6
≥ 8000	32.0	53.5	60.4	66.4	70.6	72.4	74.0	75.0	75.5	75.7	75.8	75.8	75.9	75.9	75.9	75.9
≥ 7000	32.4	54.6	61.7	68.0	72.3	74.3	75.8	76.9	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.8
≥ 6000	32.5	55.3	62.5	68.9	73.3	75.3	76.9	78.0	78.4	78.6	78.7	78.7	78.8	78.9	78.9	78.9
≥ 5000	32.9	56.4	63.9	70.6	75.2	77.2	79.0	80.1	80.6	80.8	80.9	81.0	81.0	81.1	81.1	81.1
≥ 4500	33.3	56.9	64.6	71.4	76.2	78.2	79.9	81.1	81.6	81.8	81.9	81.9	82.0	82.1	82.1	82.1
≥ 4000	33.7	58.3	66.2	73.4	78.3	80.5	82.3	83.5	84.0	84.3	84.4	84.4	84.5	84.5	84.5	84.6
≥ 3500	34.4	60.0	68.2	75.8	81.0	83.2	85.1	86.4	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.5
≥ 3000	35.1	61.7	70.4	78.3	83.9	86.2	88.2	89.5	90.0	90.3	90.4	90.4	90.5	90.5	90.6	90.6
≥ 2500	35.4	62.5	71.4	79.6	85.3	87.7	89.7	91.0	91.6	91.8	91.9	91.9	92.1	92.1	92.1	92.1
≥ 2000	35.6	63.2	72.3	80.6	86.4	88.8	90.9	92.4	92.9	93.2	93.3	93.3	93.4	93.5	93.5	93.5
≥ 1800	35.6	63.4	72.5	80.8	86.6	89.0	91.1	92.6	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.8
≥ 1500	35.7	64.0	73.3	81.9	87.6	90.2	92.4	93.9	94.5	94.8	94.9	94.9	95.0	95.0	95.1	95.1
≥ 1200	35.8	64.4	73.8	82.5	88.5	91.1	93.3	94.9	95.4	95.7	95.8	95.8	95.9	96.0	96.0	96.0
≥ 1000	35.9	64.6	74.1	83.1	89.3	91.9	94.2	95.8	96.4	96.7	96.8	96.8	96.9	97.0	97.0	97.0
≥ 900	35.9	64.6	74.2	83.1	89.4	92.1	94.4	96.0	96.6	96.9	97.0	97.0	97.1	97.1	97.2	97.2
≥ 800	35.9	64.7	74.4	83.4	89.7	92.5	94.9	96.5	97.1	97.4	97.5	97.5	97.7	97.7	97.7	97.8
≥ 700	35.9	64.8	74.5	83.6	90.0	92.8	95.2	96.9	97.4	97.8	97.9	97.9	98.0	98.1	98.1	98.1
≥ 600	36.0	64.9	74.6	83.7	90.1	93.0	95.4	97.1	97.7	98.0	98.2	98.2	98.3	98.3	98.4	98.4
≥ 500	36.0	65.0	74.8	84.0	90.5	92.5	96.0	97.8	98.5	98.8	99.0	99.0	99.2	99.2	99.2	99.3
≥ 400	36.0	65.0	74.8	84.0	90.5	93.6	96.1	97.9	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.5
≥ 300	36.0	65.0	74.8	84.0	90.5	93.6	96.1	98.0	98.7	99.1	99.3	99.3	99.5	99.6	99.6	99.7
≥ 200	36.0	65.0	74.8	84.0	90.5	93.6	96.1	98.0	98.7	99.2	99.4	99.4	99.6	99.7	99.8	99.9
≥ 100	36.0	65.0	74.8	84.0	90.5	93.6	96.1	98.0	98.7	99.2	99.4	99.4	99.6	99.8	99.8	100.0
≥ 0	36.0	65.0	74.8	84.0	90.5	93.6	96.1	98.0	98.7	99.2	99.4	99.4	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7423

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	41.4	53.8	56.9	59.6	62.0	63.8	64.6	64.9	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.3
≥ 20000	42.4	55.4	58.8	62.2	65.1	67.0	67.8	68.1	69.2	68.2	68.3	68.3	68.4	68.4	68.4	68.6
≥ 18000	42.6	55.6	58.9	62.3	65.2	67.1	67.9	68.2	68.3	68.3	68.4	68.4	68.6	68.6	68.6	68.7
≥ 16000	42.6	55.6	58.9	62.3	65.2	67.1	67.9	68.2	68.3	68.3	68.4	68.4	68.6	68.6	68.6	68.7
≥ 14000	42.7	55.7	59.0	62.4	65.3	67.2	68.0	68.3	68.4	68.4	68.6	68.6	68.7	68.7	68.7	68.8
≥ 12000	43.9	57.0	60.4	64.0	66.9	68.6	69.6	69.9	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.3
≥ 10000	47.6	62.0	65.8	70.2	73.3	75.2	76.0	76.3	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.8
≥ 9000	48.1	63.2	67.2	71.8	74.9	76.8	77.6	77.9	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.3
≥ 8000	49.9	65.4	69.4	74.0	77.1	79.1	79.9	80.2	80.3	80.3	80.4	80.4	80.6	80.6	80.6	80.7
≥ 7000	50.9	66.8	70.8	75.6	78.7	80.7	81.4	81.8	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.2
≥ 6000	51.4	67.6	71.9	76.8	80.0	82.0	82.8	83.1	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.6
≥ 5000	52.7	68.9	73.2	78.1	81.7	83.7	84.4	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.2
≥ 4500	53.4	69.7	74.0	78.9	82.8	84.8	85.6	85.9	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.3
≥ 4000	54.3	70.7	75.2	80.1	84.0	86.0	86.8	87.1	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.6
≥ 3500	54.4	71.7	76.2	81.1	85.1	87.1	87.9	88.4	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.9
≥ 3000	56.0	73.2	77.9	82.8	87.0	89.0	89.8	90.4	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.9
≥ 2500	56.3	74.0	78.7	83.9	88.1	90.1	90.9	91.6	91.7	91.7	91.8	91.8	91.9	91.9	91.9	92.0
≥ 2000	56.7	74.7	79.3	84.9	89.2	91.2	92.1	92.9	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.3
≥ 1800	56.7	74.8	79.4	85.0	89.3	91.3	92.2	93.0	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.4
≥ 1500	57.0	75.3	80.0	85.6	90.1	92.1	93.0	93.8	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.2
≥ 1200	57.1	76.4	81.3	87.0	91.6	93.6	94.4	95.2	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.7
≥ 1000	57.2	76.6	81.9	87.6	92.2	94.2	95.1	95.9	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.3
≥ 900	57.2	76.9	82.3	88.1	92.8	94.8	95.7	96.4	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.9
≥ 800	57.2	77.0	82.6	88.6	93.3	95.3	96.2	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.4
≥ 700	57.2	77.2	82.9	89.1	93.9	95.9	96.8	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0
≥ 600	57.2	77.2	82.9	89.2	94.2	96.2	97.2	98.0	98.1	98.1	98.2	98.2	98.4	98.4	98.4	98.6
≥ 500	57.3	77.4	83.2	89.8	94.8	96.8	97.9	98.7	98.8	98.8	98.9	98.9	99.1	99.1	99.1	99.2
≥ 400	57.3	77.4	83.2	89.8	94.8	96.8	97.9	98.7	98.8	98.8	98.9	98.9	99.2	99.2	99.2	99.3
≥ 300	57.3	77.4	83.2	89.8	94.9	96.9	98.0	98.9	99.0	99.0	99.2	99.3	99.7	99.7	99.7	99.8
≥ 200	57.3	77.4	83.2	89.8	94.9	96.9	98.0	98.9	99.0	99.0	99.2	99.3	99.7	99.7	99.7	100.0
≥ 100	57.3	77.4	83.2	89.8	94.9	96.9	98.0	98.9	99.0	99.0	99.2	99.3	99.7	99.7	99.7	100.0
≥ 0	57.3	77.4	83.2	89.8	94.9	96.9	98.0	98.9	99.0	99.0	99.2	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	33.7	44.5	47.0	49.8	53.1	54.5	56.6	58.0	58.6	59.2	59.6	59.7	59.9	60.0	60.0	60.8
≥ 20000	35.0	46.6	49.2	52.1	56.0	58.2	60.2	61.8	62.3	63.0	63.3	63.4	63.7	63.8	63.8	64.6
≥ 18000	35.1	46.7	49.3	52.2	56.1	58.3	60.3	61.9	62.4	63.1	63.4	63.6	63.8	63.9	63.9	64.7
≥ 16000	35.1	46.7	49.3	52.2	56.1	58.3	60.3	61.9	62.4	63.1	63.4	63.6	63.8	63.9	63.9	64.7
≥ 14000	35.2	47.1	49.8	52.7	56.6	58.8	60.8	62.3	62.9	63.6	63.9	64.0	64.2	64.3	64.3	65.1
≥ 12000	36.2	48.4	51.1	54.0	58.1	60.3	62.4	64.1	64.7	65.3	65.7	65.8	66.0	66.1	66.1	66.9
≥ 10000	38.8	53.0	56.2	59.9	64.3	66.9	69.1	70.9	71.4	72.1	72.4	72.6	72.8	72.9	72.9	73.7
≥ 9000	39.6	54.1	57.6	61.2	65.8	68.4	70.7	72.4	73.1	73.8	74.1	74.2	74.4	74.6	74.6	75.3
≥ 8000	40.4	55.0	58.4	62.4	67.0	69.7	71.9	73.9	74.6	75.2	75.6	75.7	75.9	76.0	76.0	76.8
≥ 7000	41.8	56.8	60.2	64.2	68.9	71.9	74.2	76.2	76.9	77.6	77.9	78.0	78.2	78.3	78.3	79.1
≥ 6000	43.3	57.0	62.7	66.7	71.3	74.3	76.7	78.7	79.3	80.0	80.3	80.4	80.7	80.8	80.8	81.6
≥ 5000	43.7	59.9	63.8	67.8	72.7	75.7	78.2	80.2	80.9	81.6	81.9	82.0	82.2	82.3	82.3	83.1
≥ 4500	44.0	60.2	64.1	68.1	73.3	76.6	79.1	81.2	81.9	82.6	82.9	83.0	83.2	83.3	83.3	84.1
≥ 4000	44.7	61.9	65.9	70.2	75.8	79.0	81.6	83.7	84.3	85.0	85.3	85.4	85.7	85.8	85.8	86.6
≥ 3500	45.2	62.7	66.7	71.0	76.6	79.8	82.3	84.6	85.2	85.9	86.2	86.3	86.6	86.7	86.7	87.4
≥ 3000	46.0	64.3	68.7	73.2	78.8	82.0	84.6	86.8	87.4	88.1	88.4	88.6	88.8	88.9	88.9	89.7
≥ 2500	46.1	64.7	69.0	73.7	79.2	82.4	85.0	87.2	87.9	88.6	88.9	89.0	89.2	89.3	89.3	90.1
≥ 2000	46.8	65.6	69.9	74.6	80.1	83.6	86.2	88.4	89.1	89.8	90.1	90.2	90.4	90.6	90.6	91.3
≥ 1800	46.9	65.7	70.0	74.7	80.3	83.8	86.4	88.7	89.3	90.0	90.3	90.4	90.7	90.8	90.8	91.6
≥ 1500	47.3	66.2	70.7	75.3	81.0	84.4	87.1	89.3	90.0	90.7	91.0	91.1	91.3	91.4	91.4	92.2
≥ 1200	47.7	67.1	71.8	76.6	82.2	85.7	88.3	90.7	91.3	92.0	92.3	92.4	92.7	92.8	92.8	93.6
≥ 1000	47.7	67.4	72.2	77.2	83.0	86.7	89.3	91.7	92.3	93.0	93.3	93.4	93.7	93.8	93.8	94.6
≥ 900	47.7	67.6	72.4	77.4	83.2	86.9	89.6	91.9	92.6	93.2	93.6	93.7	93.9	94.0	94.0	94.8
≥ 800	47.7	68.1	73.1	78.2	84.1	87.8	90.4	92.8	93.4	94.1	94.4	94.6	94.8	94.9	94.9	95.7
≥ 700	47.7	68.1	73.1	78.2	84.2	87.9	90.7	93.1	93.8	94.4	94.8	94.9	95.1	95.2	95.2	96.0
≥ 600	47.7	68.1	73.4	78.7	85.2	89.1	91.9	94.4	95.1	95.8	96.1	96.2	96.4	96.6	96.6	97.3
≥ 500	47.7	68.1	73.6	79.0	85.6	89.4	92.2	94.9	95.6	96.3	96.7	96.8	97.0	97.1	97.1	97.9
≥ 400	47.8	68.2	73.8	79.7	86.4	90.3	93.3	96.0	96.7	97.4	97.9	98.0	98.2	98.3	98.3	99.1
≥ 300	47.8	68.2	73.8	79.7	86.4	90.3	93.3	96.0	96.7	97.6	98.0	98.1	98.3	98.4	98.4	99.2
≥ 200	47.8	68.2	73.8	79.7	86.4	90.3	93.3	96.0	96.7	97.7	98.1	98.2	98.6	98.7	98.7	99.4
≥ 100	47.8	68.2	73.8	79.7	86.4	90.3	93.3	96.0	96.7	97.7	98.1	98.2	98.7	98.8	98.9	99.7
≥ 0	47.8	68.2	73.8	79.7	86.4	90.3	93.3	96.0	96.7	97.7	98.1	98.2	98.7	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

57-70,73-79
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	19.3	31.1	35.7	40.2	45.0	47.2	49.0	51.6	52.7	54.0	55.0	55.1	55.7	55.7	56.1	56.8
≥ 20000	20.1	32.4	37.2	42.0	47.1	49.4	52.0	54.8	55.9	57.2	58.2	58.3	58.9	58.9	59.3	60.0
≥ 18000	20.1	32.4	37.2	42.0	47.1	49.4	52.0	54.9	56.0	57.3	58.3	58.4	59.0	59.0	59.4	60.1
≥ 16000	20.1	32.4	37.2	42.0	47.1	49.4	52.0	54.9	56.0	57.3	58.3	58.4	59.0	59.0	59.4	60.1
≥ 14000	20.1	32.4	37.4	42.3	47.6	49.9	52.4	55.3	56.4	57.8	58.8	58.9	59.4	59.4	59.9	60.6
≥ 12000	20.6	33.1	38.1	43.3	48.7	51.0	53.7	56.8	58.0	59.6	60.6	60.7	61.2	61.2	61.7	62.3
≥ 10000	21.4	36.7	42.0	47.6	53.1	55.8	58.4	62.1	63.6	65.1	66.2	66.3	66.9	66.9	67.3	68.0
≥ 9000	22.2	37.3	42.9	49.0	54.7	57.3	60.0	63.7	65.1	66.7	67.8	67.9	68.7	68.7	69.1	69.8
≥ 8000	23.7	39.8	45.4	52.1	58.1	60.9	63.6	67.3	68.8	70.3	71.4	71.6	72.3	72.3	72.8	73.4
≥ 7000	24.0	41.3	47.0	53.7	60.0	62.8	65.8	69.8	71.2	72.8	73.9	74.0	74.8	74.8	75.2	75.9
≥ 6000	24.1	42.0	47.8	54.7	61.0	63.8	66.8	70.8	72.2	73.8	74.9	75.0	75.8	75.8	76.2	76.9
≥ 5000	24.4	43.1	48.9	56.2	62.6	65.3	68.3	72.3	73.8	75.3	76.4	76.6	77.3	77.3	77.8	78.4
≥ 4500	25.1	43.3	49.1	56.4	62.9	65.7	68.7	73.0	74.6	76.1	77.2	77.3	78.1	78.1	78.6	79.2
≥ 4000	25.3	44.1	50.3	57.8	64.6	67.3	70.7	75.1	76.7	78.4	79.7	79.8	80.6	80.6	81.0	81.7
≥ 3500	25.6	44.9	51.1	58.8	65.7	68.4	71.8	76.3	77.9	79.7	80.9	81.0	81.8	81.8	82.2	83.0
≥ 3000	25.7	45.9	52.3	60.0	67.1	69.9	73.3	77.9	79.7	81.4	82.8	82.9	83.7	83.7	84.1	84.9
≥ 2500	25.9	46.3	52.9	60.7	67.9	70.9	74.4	79.0	80.8	82.6	83.9	84.0	84.8	84.8	85.2	86.0
≥ 2000	26.3	47.3	54.1	61.9	69.1	72.1	75.7	80.2	82.0	83.9	85.2	85.3	86.1	86.1	86.6	87.3
≥ 1800	26.6	47.6	54.3	62.1	69.3	72.3	75.9	80.6	82.3	84.2	85.6	85.7	86.4	86.4	86.9	87.7
≥ 1500	26.8	48.6	55.4	63.2	70.7	73.9	77.4	82.4	84.2	86.1	87.4	87.6	88.3	88.3	88.8	89.6
≥ 1200	27.3	49.6	56.8	64.8	72.4	75.7	79.2	84.3	86.2	88.1	89.4	89.6	90.3	90.3	90.8	91.6
≥ 1000	27.7	50.2	57.4	65.6	73.4	76.8	80.4	85.7	87.6	89.4	90.8	90.9	91.7	91.7	92.1	92.9
≥ 900	27.7	50.4	57.7	65.9	73.9	77.3	81.1	86.6	88.7	90.6	91.9	92.0	92.8	92.8	93.2	94.0
≥ 800	27.8	50.7	58.0	66.4	74.7	78.4	82.4	88.1	90.2	92.1	93.4	93.7	94.4	94.4	94.9	5.7
≥ 700	27.8	51.2	58.8	67.3	75.7	79.4	83.7	89.3	91.6	93.6	94.9	95.1	95.9	95.9	96.3	97.1
≥ 600	27.8	51.3	58.9	67.6	76.2	80.2	84.4	90.2	92.4	94.4	95.8	96.0	96.8	96.8	97.2	98.0
≥ 500	27.8	51.3	59.0	67.8	76.4	80.4	84.7	90.7	92.9	94.9	96.2	96.4	97.2	97.3	97.8	98.6
≥ 400	27.8	51.3	59.0	68.0	76.7	80.7	84.9	90.9	93.3	95.3	96.9	97.1	97.9	98.0	98.4	99.2
≥ 300	27.8	51.3	59.0	68.0	76.8	80.8	85.0	91.0	93.4	95.4	97.0	97.2	98.0	98.1	98.6	99.3
≥ 200	27.8	51.3	59.0	68.0	76.8	80.8	85.0	91.0	93.4	95.4	97.0	97.2	98.1	98.2	98.7	99.4
≥ 100	27.8	51.3	59.0	68.0	76.8	80.8	85.0	91.0	93.4	95.6	97.1	97.4	98.3	98.4	98.9	99.8
≥ 0	27.8	51.3	59.0	68.0	76.8	80.8	85.0	91.0	93.4	95.6	97.1	97.4	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13940
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	24.2	42.3	47.4	51.2	53.7	54.3	54.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	26.6	43.2	51.7	56.1	58.8	60.0	60.3	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 18000	26.6	46.3	51.8	56.2	58.9	60.1	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	26.7	46.4	51.9	56.3	59.0	60.2	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	26.9	46.9	52.7	57.2	59.9	61.1	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	27.2	47.7	53.4	58.0	60.7	61.9	62.2	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	28.9	50.6	56.4	62.0	65.0	66.3	66.8	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	29.4	51.8	58.1	64.0	67.0	68.4	69.0	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	30.3	53.8	60.1	66.2	69.6	71.0	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000	30.9	54.6	61.0	67.4	70.9	72.3	73.0	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	31.0	55.0	61.6	68.1	71.6	73.0	73.7	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 5000	31.6	55.9	62.4	69.1	72.7	74.1	74.9	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	31.9	56.6	63.1	69.8	73.7	75.1	75.9	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	32.7	57.6	64.6	71.3	75.3	76.8	77.6	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	33.3	58.6	65.8	72.6	76.6	78.0	78.8	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	33.8	59.6	66.9	74.0	78.1	79.6	80.3	81.3	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	34.6	61.1	68.7	75.8	80.1	81.7	82.4	83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	35.2	62.6	70.6	77.7	82.0	83.6	84.3	85.3	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	35.3	62.7	70.8	77.9	82.2	83.8	84.6	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1600	35.8	64.1	72.3	79.8	84.3	86.0	86.8	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1400	36.7	66.3	74.7	82.4	87.4	89.1	90.0	91.1	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	37.0	67.4	76.0	84.2	89.7	91.4	92.4	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	37.0	67.6	76.3	84.6	90.2	92.2	93.6	95.0	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	37.0	67.9	77.0	85.7	91.8	93.9	95.2	96.8	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	37.0	68.0	77.3	86.1	92.2	94.3	95.7	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	37.0	68.0	77.3	86.1	92.2	94.4	96.1	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	37.0	68.0	77.3	86.1	92.2	94.7	96.3	98.8	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	37.0	68.0	77.3	86.1	92.4	94.7	96.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1384U
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	34.9	46.7	50.8	53.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	38.8	54.2	57.3	61.0	61.2	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 18000	38.9	55.0	57.6	61.3	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	38.9	55.0	57.6	60.2	61.4	61.8	62.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	39.5	56.0	58.7	61.4	62.7	63.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	40.0	57.1	60.0	62.8	64.1	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	41.2	57.2	62.6	65.3	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	41.3	59.4	62.8	65.7	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	42.3	62.1	65.4	68.3	69.8	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 7000	43.7	63.3	66.9	69.9	71.7	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000	43.9	63.9	67.7	70.7	72.4	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	44.6	64.6	68.4	71.8	73.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	45.1	65.1	69.0	72.3	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	45.3	65.4	70.4	74.1	75.9	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3500	47.4	69.1	73.1	76.8	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	49.0	72.3	76.8	80.6	82.6	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	50.2	74.9	79.4	83.3	85.4	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	51.1	76.9	81.9	85.9	88.1	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	51.2	77.4	82.6	86.7	88.9	89.6	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1500	52.0	79.8	85.2	89.7	91.9	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	52.8	81.3	86.8	91.3	93.8	94.6	94.9	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	52.8	82.3	87.9	92.7	95.4	96.2	96.8	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	52.8	82.6	88.3	93.1	96.4	97.3	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	52.8	82.8	88.4	93.2	96.9	97.8	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	52.8	82.6	88.6	93.3	97.0	98.0	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	52.8	82.8	88.6	93.3	97.1	98.2	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0357

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15847
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	38.8	51.4	53.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	42.1	56.6	59.6	61.8	62.6	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	42.2	56.7	59.7	61.9	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000	42.4	56.9	59.9	62.1	62.9	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	43.3	57.9	60.9	63.1	63.9	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	43.7	59.6	62.7	65.0	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	45.3	61.9	65.1	67.7	68.8	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 9000	45.2	63.1	66.6	69.3	70.4	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 8000	47.4	65.8	69.2	72.0	73.1	73.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 7000	48.4	67.2	71.0	73.9	75.0	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	49.2	68.8	72.6	75.6	76.7	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	49.3	68.9	72.9	76.0	77.2	77.3	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	50.9	70.7	74.7	77.8	79.0	79.1	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	52.0	72.3	76.7	79.8	81.1	81.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	53.1	74.9	79.2	82.6	83.9	84.0	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	54.2	78.4	83.3	86.7	88.0	88.1	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	55.3	80.1	85.9	89.6	91.1	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	55.4	81.2	87.0	90.7	92.3	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1800	55.7	82.0	88.0	91.7	93.3	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	56.3	83.3	89.6	93.7	95.4	95.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	56.6	84.6	90.8	95.1	97.0	97.2	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	56.7	84.9	91.2	96.1	98.2	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	56.7	85.0	91.3	96.2	98.3	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	56.7	85.0	91.3	96.3	98.4	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	56.7	85.0	91.4	96.4	98.6	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	56.7	85.0	91.4	96.4	98.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1364U
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥¼
NO CEILING	43.2	55.6	58.2	59.6	60.1	60.2	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	46.2	60.7	64.1	65.6	66.6	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000	46.2	61.7	64.3	65.6	66.6	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000	46.4	60.9	64.2	65.8	66.8	66.9	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	46.3	61.2	64.6	66.1	67.2	67.3	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 12000	47.7	63.0	66.4	68.2	69.4	69.6	69.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	49.0	66.2	69.8	71.9	73.4	73.6	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	49.9	68.6	72.1	74.2	75.8	75.9	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 8000	51.9	71.4	75.2	77.4	79.0	79.1	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	52.6	72.9	76.8	79.0	80.6	80.7	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 6000	53.0	73.8	77.7	80.0	81.6	81.7	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 5000	53.6	74.8	78.7	81.0	82.6	82.7	82.9	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	54.4	75.9	79.8	82.1	83.7	83.8	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	55.4	78.0	81.9	84.3	86.0	86.1	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	56.2	79.4	83.8	86.3	88.0	88.1	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	57.4	81.4	85.6	88.6	90.3	90.6	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	58.0	82.7	87.2	90.2	92.0	92.2	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	58.4	83.8	88.6	91.7	93.4	93.7	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	58.6	84.4	89.2	92.3	94.1	94.3	94.7	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	59.2	85.8	91.0	94.6	96.7	96.9	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	59.2	86.1	91.4	95.1	97.2	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	59.2	86.1	91.7	95.3	97.6	97.8	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	59.2	86.3	92.0	95.7	97.9	98.2	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	59.2	86.3	92.0	95.7	97.9	98.2	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.2	86.4	92.1	95.9	98.3	98.7	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1394J
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	45.2	56.9	58.3	59.8	61.6	61.8	62.0	62.0	62.0	62.0	62.2	62.2	62.3	62.3	62.3	62.3
≥ 20000	47.6	60.4	62.4	64.3	66.8	67.0	67.2	67.2	67.2	67.2	67.4	67.4	67.6	67.6	67.6	67.6
≥ 18000	47.6	60.4	62.4	64.3	66.8	67.0	67.2	67.2	67.2	67.2	67.4	67.4	67.6	67.6	67.6	67.6
≥ 16000	47.7	60.6	62.5	64.4	66.9	67.1	67.3	67.3	67.3	67.3	67.6	67.6	67.7	67.7	67.7	67.7
≥ 14000	47.9	60.9	63.2	65.1	67.6	67.8	68.0	68.0	68.0	68.0	68.2	68.2	68.3	68.3	68.3	68.3
≥ 12000	49.6	62.9	65.3	67.2	69.7	69.9	70.1	70.1	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4
≥ 10000	52.1	66.7	69.8	71.8	74.2	74.4	74.7	74.7	74.7	74.7	74.9	74.9	75.0	75.0	75.0	75.0
≥ 9000	53.2	68.9	72.1	74.2	76.7	76.9	77.1	77.1	77.1	77.1	77.3	77.3	77.4	77.4	77.4	77.4
≥ 8000	54.8	71.2	74.4	76.7	79.1	79.3	79.6	79.6	79.6	79.6	79.8	79.8	79.9	79.9	79.9	79.9
≥ 7000	55.9	73.2	76.8	79.1	81.6	81.8	82.0	82.0	82.0	82.0	82.2	82.2	82.3	82.3	82.3	82.3
≥ 6000	56.4	74.3	77.9	80.3	82.8	83.0	83.2	83.2	83.2	83.2	83.4	83.4	83.6	83.6	83.6	83.6
≥ 5000	58.0	76.2	79.9	82.6	85.1	85.3	85.6	85.6	85.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9
≥ 4500	58.4	76.9	80.7	83.4	86.0	86.2	86.4	86.4	86.4	86.4	86.7	86.7	86.8	86.8	86.8	86.8
≥ 4000	59.6	79.1	83.0	85.9	88.4	88.7	88.9	88.9	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2
≥ 3500	60.2	79.9	83.9	86.9	89.6	89.8	90.0	90.0	90.0	90.0	90.2	90.2	90.3	90.3	90.3	90.3
≥ 3000	60.8	80.7	85.0	88.1	90.8	91.0	91.2	91.2	91.2	91.2	91.4	91.4	91.6	91.6	91.6	91.6
≥ 2500	60.9	81.2	85.7	89.2	91.9	92.1	92.3	92.3	92.3	92.3	92.6	92.6	92.7	92.7	92.7	92.7
≥ 2000	61.4	82.5	87.4	91.2	93.9	94.1	94.3	94.3	94.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1800	61.4	83.0	87.6	91.3	94.0	94.2	94.4	94.4	94.4	94.4	94.7	94.7	94.8	94.8	94.8	94.8
≥ 1500	61.9	83.7	88.2	92.0	94.8	95.2	95.7	95.7	95.7	95.7	95.9	95.9	96.0	96.0	96.0	96.0
≥ 1200	62.2	84.8	89.6	93.4	96.3	96.8	97.2	97.2	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.6
≥ 1000	62.3	84.9	89.8	93.7	96.7	97.1	97.7	97.7	97.7	97.7	97.9	97.9	98.0	98.0	98.0	98.0
≥ 900	62.3	85.1	90.0	93.9	97.0	97.4	98.0	98.0	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3
≥ 800	62.3	85.1	90.0	93.9	97.2	97.7	98.3	98.3	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	62.3	85.3	90.2	94.2	97.6	98.2	99.0	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3
≥ 600	62.3	85.4	90.3	94.4	97.8	98.6	99.3	99.3	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7
≥ 500	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	62.3	85.6	90.4	94.7	98.0	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (12)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0	
NO CEILING	35.2	48.1	51.0	53.7	55.8	56.6	57.2	57.8	58.1	58.3	58.5	58.6	58.7	58.7	58.8	58.9	
≥ 20000	37.3	51.6	55.0	58.0	60.5	61.6	62.4	63.0	63.3	63.6	63.8	63.9	64.0	64.0	64.1	64.2	
≥ 18000	37.4	51.7	55.1	56.1	60.6	61.6	62.4	63.1	63.4	63.7	63.9	63.9	64.0	64.0	64.1	64.3	
≥ 16000	37.5	51.8	55.2	58.2	60.7	61.7	62.5	63.2	63.5	63.7	63.9	64.0	64.1	64.1	64.2	64.4	
≥ 14000	37.8	52.3	55.8	58.8	61.3	62.4	63.2	63.9	64.1	64.4	64.5	64.6	64.8	64.8	64.8	65.0	
≥ 12000	38.6	53.6	57.2	62.3	62.9	64.0	64.8	65.6	65.8	66.1	66.3	66.3	66.5	66.5	66.5	66.7	
≥ 10000	40.6	57.3	61.0	64.5	67.4	68.5	69.4	70.2	70.5	70.8	71.0	71.1	71.2	71.2	71.3	71.4	
≥ 9000	41.2	58.3	62.4	65.2	69.0	73.2	71.1	71.9	72.3	72.5	72.8	72.8	72.9	72.9	73.0	73.2	
≥ 8000	42.7	60.6	64.7	68.7	71.6	72.8	73.7	74.5	74.9	75.2	75.4	75.4	75.6	75.6	75.6	75.8	
≥ 7000	43.5	62.0	66.3	70.3	73.4	74.7	75.6	76.5	76.8	77.1	77.3	77.4	77.5	77.5	77.6	77.8	
≥ 6000	44.1	63.0	67.5	71.6	74.7	75.9	76.9	77.8	78.1	78.4	78.6	78.6	78.8	78.8	78.8	79.0	
≥ 5000	44.8	64.0	68.5	72.8	76.0	77.3	78.3	79.2	79.5	79.8	80.0	80.0	80.2	80.2	80.3	80.4	
≥ 4500	45.4	64.8	69.3	73.6	76.9	78.2	79.2	80.2	80.5	80.8	81.0	81.1	81.2	81.2	81.3	81.5	
≥ 4000	46.2	66.3	71.0	75.4	78.9	80.2	81.2	82.2	82.6	82.9	83.1	83.2	83.3	83.3	83.4	83.6	
≥ 3500	46.9	67.5	72.5	77.0	80.5	81.8	82.9	83.9	84.3	84.6	84.8	84.9	85.0	85.0	85.1	85.3	
≥ 3000	47.9	69.5	74.6	79.2	82.8	84.1	85.2	86.3	86.7	87.0	87.3	87.3	87.5	87.5	87.5	87.7	
≥ 2500	48.4	70.6	75.9	80.8	84.5	85.8	86.9	88.1	89.4	89.8	89.0	89.0	89.2	89.2	89.3	89.5	
≥ 2000	48.9	71.9	77.3	82.3	86.0	87.4	88.6	89.7	90.1	90.5	90.7	90.8	90.9	90.9	91.0	91.2	
≥ 1800	49.1	72.2	77.7	82.7	86.4	87.9	89.0	90.2	90.5	90.9	91.2	91.2	91.3	91.3	91.4	91.6	
≥ 1500	49.5	73.3	79.1	84.2	88.1	89.6	90.8	92.0	92.4	92.8	93.0	93.0	93.2	93.2	93.3	93.5	
≥ 1200	49.9	74.5	80.4	85.7	89.8	91.3	92.4	93.7	94.1	94.5	94.7	94.8	94.9	94.9	95.0	95.2	
≥ 1000	50.1	75.0	81.0	86.5	90.8	92.3	93.6	95.0	95.4	95.7	96.0	96.0	96.2	96.2	96.3	96.5	
≥ 900	50.1	75.2	81.3	86.9	91.2	92.8	94.2	95.6	96.0	96.4	96.6	96.7	96.8	96.8	96.9	97.1	
≥ 800	50.1	75.4	81.6	87.3	91.8	93.5	94.9	96.3	96.7	97.1	97.4	97.4	97.6	97.6	97.6	97.8	
≥ 700	50.1	75.5	81.8	87.6	92.1	93.8	95.3	96.8	97.2	97.6	97.9	97.9	98.1	98.1	98.1	98.3	
≥ 600	50.1	75.5	81.9	87.7	92.5	94.3	95.8	97.5	97.9	98.3	98.6	98.6	98.8	98.8	98.8	99.0	
≥ 500	50.1	75.6	82.0	87.9	92.7	94.5	96.0	97.7	98.2	98.6	98.8	98.9	99.0	99.1	99.1	99.3	
≥ 400	50.1	75.6	82.0	88.0	92.8	94.7	96.2	97.9	98.4	98.8	99.2	99.2	99.4	99.4	99.5	99.7	
≥ 300	50.1	75.6	82.0	88.0	92.8	94.7	96.3	98.0	98.5	98.9	99.2	99.3	99.5	99.5	99.6	99.8	
≥ 200	50.1	75.6	82.0	88.0	92.8	94.7	96.3	98.0	98.5	98.9	99.3	99.3	99.5	99.6	99.6	99.9	
≥ 100	50.1	75.6	82.0	88.0	92.8	94.7	96.3	98.0	98.5	98.9	99.3	99.3	99.6	99.6	99.7	99.9	
≥ 0	50.1	75.6	82.0	88.0	92.8	94.7	96.3	98.0	98.5	98.9	99.3	99.3	99.6	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 7400

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	45.7	53.3	54.6	55.3	56.3	56.6	56.9	57.6	59.2	58.2	58.3	58.3	58.8	58.8	58.8	58.9
≥ 20000	47.7	55.5	57.5	58.2	59.2	59.5	59.8	60.5	61.1	61.1	61.2	61.2	61.7	61.7	61.7	61.8
≥ 18000	47.7	55.5	57.5	58.2	59.2	59.5	59.8	60.5	61.1	61.1	61.2	61.2	61.7	61.7	61.7	61.8
≥ 16000	47.8	55.6	57.6	58.3	59.4	59.6	59.9	60.6	61.2	61.2	61.3	61.3	61.8	61.8	61.8	61.9
≥ 14000	49.1	57.0	59.0	59.7	60.8	61.0	61.3	62.0	62.6	62.6	62.7	62.7	63.2	63.2	63.2	63.3
≥ 12000	51.0	59.0	61.1	61.7	62.8	63.1	63.4	64.2	64.7	64.7	64.8	64.8	65.4	65.4	65.4	65.5
≥ 10000	53.1	61.5	63.5	64.2	65.3	65.6	65.9	66.7	67.2	67.2	67.3	67.3	67.8	67.8	67.8	68.0
≥ 9000	53.4	61.9	64.1	64.7	65.8	66.1	66.5	67.2	67.7	67.7	67.8	67.8	68.4	68.4	68.4	68.5
≥ 8000	54.3	63.2	65.4	66.0	67.1	67.4	67.7	68.5	69.0	69.0	69.1	69.1	69.7	69.7	69.7	69.8
≥ 7000	56.2	65.6	67.7	68.4	69.5	69.8	70.1	70.9	71.4	71.4	71.5	71.5	72.0	72.0	72.0	72.2
≥ 6000	58.1	67.6	70.1	70.9	71.9	72.3	72.6	73.3	73.9	73.9	74.0	74.0	74.5	74.5	74.5	74.6
≥ 5000	61.2	71.4	74.1	75.2	76.2	76.6	76.9	77.6	78.2	78.2	78.3	78.3	78.8	78.8	78.8	78.9
≥ 4500	62.5	72.9	75.6	76.9	78.2	78.6	78.9	79.7	80.2	80.2	80.3	80.3	80.9	80.9	80.9	81.0
≥ 4000	63.8	74.8	77.7	79.0	80.5	81.1	81.4	82.2	82.7	82.8	82.9	82.9	83.4	83.4	83.4	83.5
≥ 3500	65.1	76.5	79.5	80.8	82.5	83.0	83.3	84.1	84.6	84.7	84.8	84.8	85.4	85.4	85.4	85.5
≥ 3000	65.9	77.2	80.2	81.9	83.9	84.4	84.8	85.7	86.2	86.3	86.5	86.5	87.0	87.0	87.0	87.1
≥ 2500	66.4	78.7	81.8	83.7	85.6	86.1	86.6	87.4	88.0	88.1	88.2	88.2	88.7	88.7	88.7	88.8
≥ 2000	67.6	80.1	83.3	85.2	87.2	87.7	88.2	89.0	89.6	89.7	89.8	89.8	90.3	90.3	90.3	90.4
≥ 1800	68.0	80.5	83.8	85.7	87.7	88.3	88.9	89.8	90.3	90.4	90.5	90.5	91.1	91.1	91.1	91.2
≥ 1500	68.6	81.5	84.9	86.9	89.8	90.3	91.0	91.6	92.4	92.5	92.6	92.6	93.1	93.1	93.1	93.2
≥ 1200	69.1	82.0	85.6	87.5	90.6	91.2	91.8	92.7	93.2	93.3	93.4	93.4	94.0	94.0	94.0	94.1
≥ 1000	69.4	82.3	86.6	88.8	92.2	92.7	93.5	94.4	94.9	95.1	95.2	95.2	95.7	95.7	95.7	95.8
≥ 900	69.5	83.0	87.3	89.6	93.0	93.5	94.4	95.3	95.8	95.9	96.0	96.0	96.6	96.6	96.6	96.7
≥ 800	69.6	83.1	87.6	90.1	93.5	94.2	95.1	95.9	96.5	96.6	96.7	96.7	97.2	97.2	97.2	97.3
≥ 700	69.8	83.7	88.4	91.1	94.6	95.2	96.2	97.1	97.6	97.7	97.8	97.8	98.4	98.4	98.4	98.5
≥ 600	69.8	83.8	88.5	91.2	94.7	95.4	96.3	97.2	97.7	97.8	98.0	98.0	98.5	98.5	98.5	98.6
≥ 500	69.9	83.9	88.5	91.3	94.8	95.5	96.5	97.3	97.8	98.0	98.3	98.3	98.8	98.8	98.8	98.9
≥ 400	69.9	83.9	88.6	91.5	95.1	95.7	96.7	97.5	98.1	98.2	98.5	98.5	99.0	99.0	99.0	99.1
≥ 300	69.9	83.9	88.6	91.5	95.1	95.7	96.7	97.5	98.1	98.2	98.5	98.5	99.0	99.0	99.0	99.1
≥ 200	69.9	83.9	88.6	91.5	95.1	95.7	96.7	97.5	98.1	98.2	98.5	98.5	99.0	99.0	99.4	99.5
≥ 100	69.9	83.9	88.6	91.5	95.1	95.7	96.7	97.5	98.1	98.2	98.5	98.5	99.0	99.0	99.4	99.6
≥ 0	69.9	83.9	88.6	91.5	95.1	95.7	96.7	97.5	98.1	98.2	98.5	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OC
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS U.T.C.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0
NO CEILING	39.4	49.0	50.4	51.4	52.6	53.7	54.6	55.3	55.7	55.9	56.1	56.1	56.7	56.8	57.3
≥ 20000	41.5	51.7	53.2	54.2	55.4	56.5	57.5	58.2	58.6	58.8	59.0	59.0	59.6	59.7	60.2
≥ 18000	41.5	51.7	53.2	54.2	55.4	56.5	57.5	58.2	58.6	58.8	59.0	59.0	59.6	59.7	60.2
≥ 16000	41.5	51.7	53.2	54.2	55.4	56.5	57.5	58.2	58.6	58.8	59.0	59.0	59.6	59.7	60.2
≥ 14000	42.4	52.8	54.3	55.3	56.5	57.5	58.6	59.2	59.7	59.9	60.1	60.1	60.6	60.8	61.3
≥ 12000	45.9	56.6	58.1	59.0	60.2	61.4	62.5	63.1	63.5	63.8	64.0	64.0	64.5	64.6	65.2
≥ 10000	47.3	58.3	59.8	60.8	61.9	63.1	64.2	64.8	65.3	65.5	65.7	65.7	66.2	66.3	66.9
≥ 9000	47.8	58.9	60.4	61.4	62.6	63.8	64.8	65.5	65.9	66.1	66.3	66.3	66.9	67.0	67.5
≥ 8000	49.0	60.2	61.7	62.8	64.0	65.2	66.2	66.9	67.3	67.5	67.7	67.7	68.3	68.4	68.9
≥ 7000	50.0	61.6	63.2	64.3	65.5	66.7	67.8	68.5	68.9	69.1	69.4	69.4	69.9	70.0	70.5
≥ 6000	51.5	63.4	65.5	66.6	68.1	69.2	70.4	71.1	71.5	71.7	71.9	71.9	72.5	72.6	73.1
≥ 5000	54.3	67.0	69.8	70.9	72.4	73.5	74.7	75.4	75.8	76.0	76.2	76.2	76.8	76.9	77.4
≥ 4500	56.3	69.1	71.9	73.1	75.1	76.2	77.4	78.1	78.5	78.7	78.9	78.9	79.5	79.6	80.1
≥ 4000	58.5	71.6	74.4	75.6	77.5	78.7	79.9	80.5	81.0	81.2	81.4	81.4	81.9	82.0	82.6
≥ 3500	59.2	72.7	75.5	76.7	78.6	79.8	81.0	81.6	82.0	82.3	82.5	82.5	83.0	83.1	83.7
≥ 3000	59.8	73.5	76.3	77.5	79.5	80.8	81.9	82.6	83.0	83.2	83.4	83.4	84.0	84.1	84.6
≥ 2500	60.5	74.5	77.3	78.5	80.4	81.7	82.9	83.5	84.0	84.2	84.4	84.4	84.9	85.1	85.6
≥ 2000	60.9	75.8	78.7	80.0	82.2	83.4	84.7	85.4	85.8	86.0	86.2	86.2	86.8	86.9	87.4
≥ 1800	61.4	76.6	79.5	80.8	83.0	84.3	85.7	86.3	86.8	87.0	87.2	87.2	87.7	87.8	88.4
≥ 1500	61.9	77.3	80.2	81.6	84.1	85.5	86.9	87.5	88.1	88.2	88.4	88.4	88.9	89.0	89.6
≥ 1200	62.6	78.4	81.4	83.1	85.9	87.3	88.7	89.4	89.8	90.0	90.2	90.2	90.8	90.9	91.4
≥ 1000	63.0	79.0	82.0	83.9	86.8	88.2	89.7	90.3	90.8	91.0	91.2	91.2	91.7	91.8	92.4
≥ 900	63.5	79.8	83.0	84.8	87.8	89.5	91.3	92.0	92.5	92.7	92.9	92.9	93.4	93.5	94.1
≥ 800	63.5	79.9	83.3	85.2	88.4	90.1	91.9	92.7	93.1	93.3	93.5	93.5	94.1	94.2	94.7
≥ 700	63.7	80.4	83.9	86.0	89.7	91.8	93.8	94.5	94.9	95.2	95.4	95.4	95.9	96.0	96.6
≥ 600	63.9	80.5	84.0	86.1	90.0	92.3	94.4	95.2	95.6	95.8	96.0	96.0	96.6	96.7	97.2
≥ 500	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.5	95.9	96.1	96.3	96.3	96.9	97.0	97.5
≥ 400	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.6	96.0	96.2	96.5	96.5	97.0	97.1	97.6
≥ 300	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.8	96.2	96.5	96.7	96.7	97.2	97.4	98.0
≥ 200	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.8	96.2	96.5	96.7	96.7	97.3	97.6	98.4
≥ 100	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.8	96.2	96.5	96.7	96.7	97.3	97.6	98.4
≥ 0	63.9	80.5	84.0	86.1	90.1	92.5	94.7	95.8	96.2	96.5	96.7	96.7	97.3	97.6	98.4

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥0
NO CEILING	26.7	39.9	43.1	46.7	49.7	50.9	51.9	52.7	53.3	54.0	54.2	54.2	54.8	54.9	55.5	56.2
≥ 20000	28.1	41.7	45.1	48.8	51.9	53.1	54.2	54.9	55.6	56.2	56.5	56.5	57.2	57.3	57.8	58.6
≥ 18000	28.1	41.8	45.2	48.9	52.0	53.2	54.3	55.1	55.7	56.3	56.6	56.6	57.3	57.4	58.0	58.7
≥ 16000	28.1	41.9	45.2	48.9	52.0	53.2	54.3	55.1	55.7	56.3	56.6	56.6	57.3	57.4	58.0	58.7
≥ 14000	28.3	42.5	45.9	49.8	52.9	54.1	55.2	55.9	56.6	57.2	57.4	57.4	58.2	58.3	58.8	59.6
≥ 12000	29.6	45.2	48.7	52.6	55.7	56.9	58.0	58.7	59.5	60.1	60.3	60.3	61.2	61.3	61.9	62.6
≥ 10000	31.1	47.1	50.8	54.8	58.0	59.1	60.2	61.0	61.7	62.4	62.6	62.6	63.4	63.5	64.1	64.8
≥ 9000	31.3	47.3	51.0	55.1	58.3	59.5	60.5	61.3	62.0	62.7	62.9	62.9	63.8	63.9	64.4	65.2
≥ 8000	32.9	50.1	53.8	58.2	61.4	62.6	63.7	64.4	65.2	65.8	66.0	66.0	66.9	67.0	67.5	68.3
≥ 7000	33.5	51.5	55.4	59.8	63.0	64.4	65.5	66.3	67.1	67.7	68.0	68.0	68.9	69.0	69.6	70.3
≥ 6000	34.1	52.8	57.0	61.4	64.6	66.0	67.2	68.1	68.8	69.5	69.7	69.7	70.8	70.9	71.4	72.2
≥ 5000	35.4	54.7	59.2	63.8	67.0	68.4	69.6	70.5	71.3	71.9	72.2	72.2	73.2	73.2	73.9	74.6
≥ 4500	36.8	56.2	61.1	65.7	68.9	70.4	71.6	72.8	73.5	74.2	74.4	74.4	75.5	75.6	76.1	76.9
≥ 4000	37.6	58.1	63.1	67.8	71.2	72.7	74.0	75.2	76.0	76.7	76.9	76.9	78.0	78.1	78.6	79.4
≥ 3500	38.5	59.5	64.7	69.5	72.8	74.3	75.6	76.6	77.6	78.4	78.6	78.6	79.7	79.8	80.3	81.1
≥ 3000	39.5	60.9	66.3	71.2	74.6	76.1	77.4	78.6	79.5	80.2	80.4	80.4	81.5	81.6	82.2	82.9
≥ 2500	40.1	61.5	67.2	72.3	75.7	77.2	78.5	79.7	80.5	81.3	81.5	81.5	82.6	82.7	83.2	84.0
≥ 2000	40.8	62.8	68.5	73.8	77.2	78.7	80.1	81.4	82.3	83.0	83.2	83.2	84.3	84.4	84.9	85.7
≥ 1800	40.8	63.1	68.8	74.1	77.7	79.2	80.6	82.0	82.9	83.7	83.9	83.9	84.9	85.1	85.6	86.3
≥ 1500	41.3	63.9	69.5	74.8	78.7	80.2	81.6	83.0	84.0	84.7	84.9	84.9	86.0	86.1	86.7	87.4
≥ 1200	41.4	64.7	70.6	76.7	80.5	82.3	83.7	85.3	86.2	87.0	87.2	87.2	88.3	88.4	88.9	89.7
≥ 1000	41.4	65.4	71.6	78.0	82.0	83.8	85.2	86.9	87.8	88.6	88.8	88.8	89.9	90.0	90.5	91.3
≥ 900	41.5	65.7	72.0	78.5	82.8	84.8	86.3	88.4	89.4	90.1	90.3	90.3	91.4	91.5	92.0	92.8
≥ 800	41.5	65.9	72.3	78.9	83.3	85.5	87.3	89.5	90.4	91.2	91.4	91.4	92.5	92.6	93.1	93.9
≥ 700	41.6	66.8	73.1	79.9	84.4	86.7	88.6	91.1	92.0	92.8	93.0	93.0	94.1	94.2	94.7	95.5
≥ 600	41.6	66.9	73.2	80.1	84.8	87.2	89.5	92.0	93.0	93.8	94.0	94.0	95.1	95.2	95.7	96.5
≥ 500	41.6	66.9	73.2	80.1	85.1	87.5	90.0	92.7	93.7	94.8	95.1	95.1	96.1	96.2	96.8	97.5
≥ 400	41.6	66.9	73.2	80.1	85.1	87.5	90.0	92.7	93.7	94.8	95.1	95.1	96.2	96.3	96.9	97.6
≥ 300	41.6	66.9	73.2	80.1	85.1	87.5	90.0	92.7	94.0	95.2	95.4	95.4	96.6	96.7	97.2	98.1
≥ 200	41.6	66.9	73.2	80.1	85.1	87.5	90.0	93.0	94.1	95.3	95.5	95.5	96.7	97.0	97.6	98.6
≥ 100	41.6	66.9	73.2	80.1	85.1	87.5	90.0	93.0	94.1	95.3	95.5	95.5	96.7	97.0	97.6	99.1
≥ 0	41.6	66.9	73.2	80.1	85.1	87.5	90.0	93.0	94.1	95.3	95.5	95.5	96.7	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	30.3	47.0	50.4	52.2	52.7	53.5	53.8	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	31.6	49.2	52.7	54.4	54.9	55.8	56.0	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	31.9	49.7	53.1	54.8	55.4	56.2	56.5	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	32.2	49.9	53.3	55.1	55.6	56.5	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	32.7	50.5	54.0	55.7	56.2	57.1	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	33.3	52.6	56.2	58.0	58.6	59.5	59.7	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 10000	34.9	54.3	58.2	59.9	60.5	61.5	61.7	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2
IV 9000	35.2	54.8	58.7	60.4	61.1	62.0	62.3	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 8000	35.7	57.6	61.7	63.7	64.3	65.3	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	36.6	59.2	63.4	65.3	66.2	67.2	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	37.4	61.9	65.2	67.3	68.0	68.9	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 5000	38.1	62.5	67.0	69.7	70.4	71.4	71.8	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	38.3	62.8	67.3	70.0	70.9	71.8	72.3	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4000	39.5	64.3	68.8	71.8	73.0	74.1	74.6	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	40.8	66.2	70.9	74.0	75.4	76.6	77.1	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3000	41.5	67.2	72.0	75.2	77.0	78.2	78.7	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	42.8	68.9	73.9	77.1	79.0	80.2	80.8	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 2000	43.4	69.8	74.8	78.1	80.0	81.3	81.9	82.5	82.7	82.8	82.8	83.0	83.0	83.0	83.0	83.0
IV 1800	43.5	70.1	75.2	78.4	80.5	81.8	82.5	83.0	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5
IV 1500	43.9	71.3	76.9	80.2	82.8	84.1	84.7	85.4	85.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9
IV 1200	44.2	72.4	78.1	81.5	84.3	85.6	86.2	87.0	87.2	87.3	87.3	87.5	87.5	87.5	87.5	87.5
IV 1000	44.5	73.2	79.4	83.2	86.8	88.1	88.9	89.7	89.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2
IV 900	44.6	74.1	80.3	84.7	88.7	90.1	91.0	92.2	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7
IV 800	44.8	74.3	80.6	85.1	89.1	90.8	91.8	93.1	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7
IV 700	44.9	74.8	81.2	85.8	90.1	91.9	93.2	94.6	94.8	94.9	94.9	95.2	95.2	95.2	95.2	95.2
IV 600	44.9	75.2	81.5	86.3	91.1	93.3	94.8	96.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9
IV 500	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.1	97.4	97.6	97.6	97.8	98.0	98.0	98.0	98.0
IV 400	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.2	97.5	97.7	97.7	98.0	98.2	98.4	98.4	98.4
IV 300	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.3	97.8	98.1	98.3	98.5	98.7	98.8	98.8	98.8
IV 200	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.3	97.8	98.1	98.4	98.6	98.8	98.9	99.0	99.0
IV 100	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.3	97.8	98.2	98.5	98.7	98.9	99.0	99.4	99.4
IV 0	44.9	75.2	81.5	86.3	91.2	93.4	95.2	97.3	97.8	98.2	98.5	98.7	98.9	99.0	99.4	100.0

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS UT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	39.3	51.6	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	42.6	55.5	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	43.0	55.9	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	43.0	55.9	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	43.5	56.5	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	44.3	57.4	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000	46.0	60.1	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	46.5	61.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	47.4	63.1	64.9	65.4	65.4	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	47.8	64.2	66.2	66.7	66.9	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	48.2	64.6	67.0	67.6	67.8	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	49.5	66.5	69.0	69.7	69.9	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	51.3	67.4	70.1	70.8	71.1	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	51.8	69.8	72.7	73.4	74.1	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	54.5	72.8	75.0	76.6	77.5	77.7	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	57.2	75.8	79.1	80.3	81.3	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	58.6	77.8	81.3	82.6	83.5	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	59.7	79.6	83.3	84.7	85.9	86.2	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	59.7	79.6	83.3	84.7	86.0	86.3	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	60.5	81.2	85.1	86.9	88.4	88.7	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	61.1	82.6	87.3	88.8	90.6	91.0	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	61.1	83.7	88.6	90.5	92.9	93.2	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	61.6	84.5	89.5	91.8	94.4	94.8	95.6	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	61.8	84.8	89.9	92.3	94.9	95.6	96.3	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	61.9	85.2	90.3	92.7	95.5	96.1	96.9	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	61.9	85.3	90.4	92.9	96.1	97.1	97.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	61.9	85.4	90.5	93.2	96.7	97.6	98.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	44.2	53.7	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥20000	48.3	57.6	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥18000	48.9	55.3	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥16000	48.9	58.3	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥14000	50.0	59.8	60.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥12000	50.8	61.0	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥10000	53.5	64.8	65.4	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥9000	54.3	66.5	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥8000	55.8	68.0	68.6	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥7000	57.1	70.1	70.9	71.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥6000	57.5	71.0	71.8	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥5000	59.2	73.2	74.1	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥4500	60.2	74.8	75.7	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥4000	62.5	78.1	79.0	80.2	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥3500	64.3	81.2	81.3	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥3000	65.7	82.0	83.5	84.9	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥2500	66.7	84.1	85.7	87.3	88.7	89.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥2000	67.3	85.6	87.6	89.5	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥1800	67.3	85.9	87.8	89.8	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥1500	68.4	87.2	89.5	91.6	93.4	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥1200	68.5	87.8	90.1	92.5	94.5	94.9	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥1000	68.9	88.3	90.6	93.2	95.4	96.0	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥900	69.1	88.5	90.9	93.5	95.7	96.3	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥800	69.1	88.6	91.1	93.8	96.0	96.8	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥700	69.1	88.9	91.4	94.1	96.7	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥600	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥500	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥300	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥200	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥100	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	69.2	89.0	91.7	94.5	97.1	98.2	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	48.8	54.9	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	51.9	58.8	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	52.2	59.1	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	52.3	59.1	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	53.2	60.3	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 12000	55.1	62.4	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	57.5	65.8	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	58.4	66.9	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	59.6	68.7	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	61.2	70.9	71.8	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	62.8	73.3	74.5	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	64.2	76.2	77.6	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	65.5	78.4	79.9	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	68.2	81.1	82.6	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	68.8	82.6	84.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	69.6	84.0	86.0	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	69.9	85.5	88.1	89.8	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	70.3	86.6	89.1	91.1	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	70.6	86.8	89.4	91.3	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	71.2	88.2	90.9	92.9	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	71.4	88.5	91.2	93.3	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	71.6	89.3	91.8	94.3	96.1	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	71.6	89.1	91.9	94.5	96.3	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	71.7	89.4	92.2	94.7	96.6	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	71.7	89.5	92.3	94.9	96.8	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	71.7	89.6	92.6	95.5	97.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.7	89.6	92.7	95.8	98.0	98.9	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840 WRIGHT-PATTERSON AFB OH

67-70,73-78

OC1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	>10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING ≥ 20000	51.2 53.3	57.6 60.2	58.4 61.3	58.9 61.6	59.7 62.4	59.7 62.4	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6	59.9 62.6
≥ 18000 IV 16000	53.3 53.3	60.2 60.2	61.3 61.3	61.6 61.6	62.4 62.4	62.4 62.4	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6	62.6 62.6
IV 14000 IV 12000	54.3 57.5	61.2 64.5	61.9 65.3	62.6 65.9	63.3 66.7	63.3 66.7	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9	63.5 66.9
≥ 10000 IV 9000	59.2 60.0	66.9 67.6	67.6 68.4	68.3 69.0	69.0 69.9	69.0 69.9	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0	69.2 70.0
IV 8000 IV 7000	61.3 63.1	69.6 71.5	70.3 72.4	71.0 73.0	71.7 74.0	71.7 74.0	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2	71.9 74.2
IV 6000 IV 5000	65.3 67.8	74.2 77.5	75.3 78.6	76.0 79.5	77.0 80.4	77.0 80.4	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6	77.2 80.6
IV 4500 IV 4000	68.6 69.8	78.5 80.6	79.7 81.9	80.9 83.2	81.9 84.3	81.9 84.3	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6	82.2 84.6
IV 3500 IV 3000	70.5 71.6	82.1 83.8	83.3 85.2	84.7 86.8	85.9 88.3	85.9 88.3	86.5 88.8	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9	86.6 88.9
IV 2500 IV 2000	71.8 73.1	84.4 85.9	86.1 87.7	88.0 89.7	89.6 91.4	89.7 91.5	90.2 92.2	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3	90.3 92.3
IV 1800 IV 1500	73.2 73.9	86.0 87.7	87.8 89.9	88.8 91.8	91.5 93.5	91.5 93.7	92.3 94.3	92.4 94.4	92.4 94.4	92.5 94.5	92.5 94.5	92.5 94.5	92.5 94.5	92.5 94.5	92.5 94.5	92.5 94.5
IV 1200 IV 1000	74.1 74.1	88.1 88.4	90.3 90.8	92.4 93.1	94.2 95.3	94.3 95.5	94.9 96.1	95.1 96.2	95.1 96.2	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3
IV 900 IV 800	74.1 74.2	88.4 88.8	90.8 91.2	93.1 93.5	95.4 96.0	95.6 96.2	96.3 97.3	96.5 97.4	96.5 97.4	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5	96.6 97.5
IV 700 IV 600	74.2 74.3	88.9 89.1	91.4 91.7	93.8 94.3	96.2 97.3	96.5 97.5	97.5 98.6	97.6 98.7	97.6 98.7	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8
IV 500 IV 400	74.4 74.4	89.5 89.5	92.0 92.0	94.6 94.6	97.7 98.1	98.0 98.3	99.2 99.6	99.4 99.7	99.4 99.7	99.5 99.8	99.5 99.8	99.5 99.8	99.5 99.8	99.5 99.8	99.5 99.8	99.5 99.8
IV 300 IV 200	74.4 74.4	89.5 89.5	92.0 92.0	94.6 94.6	98.1 98.1	98.3 98.3	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 IV 0	74.4 74.4	89.5 89.5	92.0 92.0	94.6 94.6	98.1 98.1	98.3 98.3	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13843
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	40.7	50.8	52.4	53.5	54.2	54.7	55.1	55.4	55.6	55.7	55.8	55.8	56.0	56.0	56.1	56.3
≥20000	43.1	53.8	55.5	56.6	57.5	57.9	58.2	58.5	58.8	58.9	58.9	58.9	59.2	59.2	59.3	59.5
IV 18000	43.3	54.0	55.8	56.9	57.7	58.1	58.5	58.8	59.0	59.1	59.2	59.2	59.4	59.4	59.6	59.7
IV 16000	43.4	54.1	55.8	56.9	57.7	58.2	58.5	58.8	59.0	59.2	59.2	59.2	59.4	59.5	59.6	59.8
IV 14000	44.2	55.1	56.8	57.9	58.8	59.2	59.5	59.8	60.1	60.2	60.2	60.2	60.5	60.5	60.6	60.8
IV 12000	46.2	57.3	59.1	60.2	61.1	61.5	61.9	62.2	62.4	62.5	62.6	62.6	62.8	62.9	63.0	63.2
IV 10000	47.8	59.9	61.7	62.7	63.7	64.2	64.6	64.9	65.1	65.2	65.3	65.3	65.5	65.5	65.7	65.8
IV 9000	48.4	60.7	62.5	63.7	64.6	65.0	65.4	65.7	65.9	66.0	66.1	66.1	66.4	66.4	66.5	66.7
IV 8000	49.5	62.6	64.5	65.8	66.7	67.1	67.5	67.8	68.1	68.2	68.3	68.3	68.5	68.5	68.7	68.8
IV 7000	50.7	64.3	66.4	67.7	68.7	69.2	69.6	70.0	70.2	70.3	70.4	70.4	70.6	70.7	70.8	71.0
IV 6000	51.9	66.2	68.3	69.7	70.8	71.2	71.7	72.0	72.2	72.4	72.4	72.4	72.7	72.7	72.8	73.0
IV 5000	53.8	68.6	71.2	72.8	73.8	74.3	74.7	75.1	75.3	75.4	75.5	75.5	75.8	75.8	75.9	76.1
IV 4500	54.9	70.0	72.7	74.3	75.5	76.0	76.5	76.9	77.1	77.2	77.3	77.3	77.5	77.6	77.7	77.9
IV 4000	56.5	72.3	75.1	76.8	78.1	78.7	79.2	79.6	79.8	79.9	80.0	80.0	80.3	80.3	80.4	80.6
IV 3500	57.7	74.1	76.9	78.8	80.2	80.8	81.3	81.7	82.0	82.1	82.2	82.2	82.4	82.5	82.6	82.8
IV 3000	58.8	75.6	78.6	80.6	82.7	82.8	83.4	83.8	84.1	84.2	84.3	84.3	84.5	84.6	84.7	84.9
IV 2500	59.7	76.9	80.2	82.4	84.2	84.8	85.4	85.8	86.1	86.2	86.3	86.3	86.6	86.6	86.7	86.9
IV 2000	60.4	78.3	81.7	84.0	85.9	86.6	87.2	87.7	88.0	88.1	88.2	88.2	88.5	88.5	88.6	88.8
IV 1800	60.6	78.6	81.9	84.3	86.3	87.0	87.7	88.2	88.5	88.6	88.7	88.7	89.0	89.0	89.2	89.3
IV 1500	61.2	79.8	83.3	85.8	88.1	88.9	89.6	90.1	90.3	90.5	90.6	90.6	90.9	90.9	91.0	91.2
IV 1200	61.5	80.6	84.3	87.0	89.4	90.2	91.0	91.5	91.8	92.0	92.0	92.1	92.3	92.4	92.5	92.7
IV 1000	61.7	81.2	85.2	88.1	90.9	91.8	92.6	93.2	93.5	93.7	93.7	93.8	94.0	94.0	94.2	94.4
IV 900	61.9	81.6	85.7	88.8	91.8	92.7	93.7	94.4	94.7	94.8	94.9	94.9	95.2	95.2	95.3	95.5
IV 800	62.0	81.9	86.0	89.2	92.2	93.3	94.4	95.1	95.4	95.6	95.6	95.7	95.9	96.0	96.1	96.2
IV 700	62.2	82.3	86.5	89.8	93.0	94.2	95.3	96.2	96.5	96.6	96.7	96.7	97.0	97.0	97.2	97.3
IV 600	62.2	82.4	86.7	90.1	93.6	94.9	96.1	97.0	97.3	97.5	97.6	97.6	97.9	97.9	98.0	98.2
IV 500	62.2	82.5	86.8	90.3	93.8	95.2	96.5	97.5	97.8	98.1	98.2	98.2	98.5	98.5	98.7	98.8
IV 400	62.2	82.5	86.8	90.3	93.9	95.3	96.6	97.6	98.0	98.3	98.5	98.5	98.8	98.8	99.0	99.2
IV 300	62.2	82.5	86.8	90.3	93.9	95.3	96.6	97.7	98.1	98.4	98.6	98.6	98.9	99.0	99.1	99.3
IV 200	62.2	82.5	86.8	90.3	93.9	95.3	96.6	97.7	98.1	98.4	98.6	98.6	99.0	99.0	99.3	99.5
IV 100	62.2	82.5	86.8	90.3	93.9	95.3	96.6	97.7	98.1	98.4	98.6	98.6	99.0	99.1	99.3	99.7
IV 0	62.2	82.5	86.8	90.3	93.9	95.3	96.6	97.7	98.1	98.4	98.6	98.6	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	27.2	32.0	33.1	34.7	35.7	35.9	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	37.2
≥ 20000	19.3	34.3	35.4	37.2	38.2	38.4	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.8
≥ 18000	29.3	34.3	35.4	37.2	38.2	38.4	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.8
≥ 16000	29.3	34.3	35.4	37.2	38.2	38.4	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.8
≥ 14000	29.4	34.4	35.6	37.4	38.4	38.7	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	40.0
≥ 12000	31.6	36.6	37.7	39.6	40.6	41.8	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	42.1
≥ 10000	33.7	39.6	40.7	42.7	43.7	43.9	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	45.2
≥ 9000	34.3	40.6	41.7	43.8	44.8	45.0	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	46.3
≥ 8000	37.0	44.1	45.2	47.3	48.3	48.6	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.9
≥ 7000	38.6	46.1	47.2	49.7	50.7	50.9	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	52.2
≥ 6000	40.0	48.3	49.6	52.0	53.0	53.2	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.6
≥ 5000	43.5	51.3	52.6	55.2	56.4	56.7	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	58.0
≥ 4500	45.6	54.0	55.3	58.0	59.2	59.4	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.8
≥ 4000	48.8	58.3	59.8	62.4	63.9	64.1	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.4
≥ 3500	52.3	62.7	64.2	67.2	68.6	68.8	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	70.1
≥ 3000	54.7	65.7	67.2	70.3	71.8	72.0	72.3	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	73.6
≥ 2500	57.2	69.3	71.4	74.8	76.3	76.7	77.0	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	78.2
≥ 2000	59.0	71.6	73.7	77.0	78.6	78.9	79.2	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	80.4
≥ 1800	59.9	72.7	74.8	78.1	79.7	80.0	80.3	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	81.6
≥ 1500	62.6	76.4	78.8	82.3	83.9	84.2	84.6	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.8
≥ 1200	64.0	79.1	81.6	85.2	86.8	87.2	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.8
≥ 1000	64.3	81.7	83.4	87.4	89.0	89.4	89.8	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	91.0
≥ 900	64.6	81.3	84.0	88.3	90.1	90.7	91.0	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	92.2
≥ 800	64.6	82.0	84.9	89.6	91.6	92.2	92.6	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.8
≥ 700	64.6	82.2	85.1	90.0	92.3	93.1	93.9	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	95.1
≥ 600	64.7	82.9	85.8	91.0	94.0	94.8	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.9
≥ 500	64.7	82.9	85.8	91.2	94.3	95.8	96.8	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	98.2
≥ 400	64.7	82.9	85.8	91.2	94.4	95.9	97.3	97.4	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.9
≥ 300	64.7	82.9	85.8	91.2	94.4	95.9	97.6	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	99.7
≥ 200	64.7	82.9	85.8	91.2	94.4	95.9	97.6	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	99.7
≥ 100	64.7	82.9	85.8	91.2	94.4	95.9	97.6	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	99.7
≥ 0	64.7	82.9	85.8	91.2	94.4	95.9	97.6	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	24.3	29.9	31.7	32.3	33.7	33.9	34.2	34.4	34.8	35.3	35.6	35.6	35.9	36.0	36.4	36.8
≥ 20000	29.2	32.2	34.2	34.9	36.2	36.4	36.8	37.0	37.3	37.9	38.1	38.1	38.4	38.6	39.0	39.3
≥ 18000	28.3	32.3	34.3	35.0	36.3	36.6	36.9	37.1	37.4	38.0	38.2	38.2	38.6	38.7	39.1	39.4
≥ 16000	28.3	32.3	34.3	35.0	36.3	36.6	36.9	37.1	37.4	38.0	38.2	38.2	38.6	38.7	39.1	39.4
≥ 14000	28.4	32.4	34.4	35.2	36.6	36.8	37.1	37.3	37.7	38.2	38.4	38.4	38.8	38.9	39.3	39.7
≥ 12000	29.6	33.9	35.3	36.6	37.9	38.1	38.4	38.7	39.0	39.6	39.8	39.8	40.1	40.2	40.7	41.0
≥ 10000	32.1	37.0	39.2	40.0	41.3	41.6	41.9	42.1	42.4	43.7	43.2	43.2	43.6	43.7	44.1	44.4
≥ 9000	32.8	37.7	39.9	40.7	42.0	42.2	42.6	42.8	43.1	43.7	43.9	43.9	44.2	44.3	44.8	45.1
≥ 8000	34.3	40.8	43.0	43.8	45.3	45.6	45.9	46.1	46.4	47.0	47.2	47.2	47.6	47.7	48.1	48.4
≥ 7000	35.4	42.6	44.8	45.9	47.6	47.8	48.1	48.3	48.7	49.2	49.4	49.4	49.8	49.9	50.3	50.7
≥ 6000	37.3	45.3	47.9	49.1	51.0	51.2	51.6	51.8	52.1	52.7	52.9	52.9	53.2	53.3	53.8	54.1
≥ 5000	40.7	48.8	51.3	52.7	54.8	55.0	55.3	55.6	55.9	56.4	56.7	56.7	57.0	57.1	57.6	57.9
≥ 4500	42.8	51.8	54.3	55.7	57.8	58.0	58.3	58.6	58.9	59.4	59.7	59.7	60.0	60.1	60.6	60.9
≥ 4000	45.4	56.1	58.7	61.3	62.4	62.7	63.0	63.2	63.6	64.1	64.3	64.3	64.7	64.8	65.2	65.6
≥ 3500	49.0	57.8	62.4	64.1	66.2	66.4	66.8	67.0	67.3	67.9	68.1	68.1	68.4	68.6	69.0	69.3
≥ 3000	50.8	62.6	65.2	66.9	69.1	69.4	69.8	70.0	70.3	70.9	71.1	71.1	71.4	71.6	72.0	72.3
≥ 2500	52.1	65.0	67.8	69.4	71.8	72.2	72.6	72.8	73.1	73.7	73.9	73.9	74.2	74.3	74.8	75.1
≥ 2000	54.1	67.7	70.7	72.6	75.1	75.6	76.0	76.2	76.6	77.1	77.4	77.4	77.8	77.9	78.3	78.7
≥ 1800	54.6	68.7	71.8	73.7	76.2	76.7	77.1	77.3	77.7	78.2	78.6	78.6	78.9	79.0	79.4	79.8
≥ 1500	57.3	72.4	75.6	77.7	80.3	80.8	81.2	81.4	81.8	82.3	82.7	82.7	83.1	83.2	83.7	84.0
≥ 1200	58.6	74.4	77.8	80.0	82.7	83.1	83.6	83.8	84.1	84.7	85.0	85.0	85.4	85.6	86.0	86.3
≥ 1000	59.2	75.8	79.3	81.6	84.7	85.3	85.9	86.1	86.4	87.0	87.3	87.3	87.8	87.9	88.3	88.7
≥ 900	59.4	76.7	80.4	82.9	86.2	86.9	87.6	87.8	88.1	88.7	89.0	89.0	89.4	89.6	90.0	90.3
≥ 800	59.6	77.4	81.6	84.3	87.7	88.4	89.1	89.3	89.7	90.2	90.6	90.6	91.0	91.1	91.6	91.9
≥ 700	59.6	77.9	82.0	85.0	88.8	89.6	90.2	90.4	90.8	91.3	91.7	91.7	92.1	92.2	92.7	93.0
≥ 600	59.6	77.9	82.3	85.9	89.7	90.4	91.1	91.3	91.7	92.2	92.6	92.6	93.0	93.1	93.6	93.9
≥ 500	59.6	78.0	82.6	86.2	90.3	91.9	92.8	93.1	93.6	94.6	94.9	94.9	95.3	95.4	95.9	96.2
≥ 400	59.6	78.0	82.7	86.4	90.6	92.3	93.4	93.9	94.4	95.6	95.9	95.9	96.3	96.4	96.9	97.2
≥ 300	59.6	78.0	82.7	86.4	90.6	92.3	93.8	94.7	95.4	96.7	97.1	97.1	97.6	97.7	98.1	98.4
≥ 200	59.6	78.0	82.7	86.4	90.6	92.3	93.8	94.7	95.4	96.9	97.6	97.6	98.0	98.1	98.6	98.9
≥ 100	59.6	78.0	82.7	86.4	90.6	92.3	93.8	94.7	95.6	97.0	97.7	97.7	98.1	98.2	99.0	100.0
≥ 0	59.6	78.0	82.7	86.4	90.6	92.3	93.8	94.7	95.6	97.0	97.7	97.7	98.1	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	27.4	24.8	26.7	28.0	29.0	29.1	29.9	30.9	31.2	31.8	32.3	32.3	32.6	32.6	33.0	33.4
≥ 20000	21.4	25.8	28.1	29.3	30.4	30.6	31.4	32.4	32.8	33.3	33.9	33.9	34.1	34.1	34.6	35.1
≥ 18000	21.6	25.9	28.1	29.4	30.6	30.7	31.6	32.6	32.9	33.4	34.0	34.0	34.2	34.2	34.7	35.2
≥ 16000	21.6	25.9	28.1	29.4	30.6	30.7	31.6	32.6	32.9	33.4	34.0	34.0	34.2	34.2	34.7	35.2
≥ 14000	21.7	26.1	28.4	29.8	30.9	31.0	31.9	32.9	33.2	33.8	34.3	34.3	34.6	34.6	35.0	35.6
≥ 12000	22.2	26.9	29.1	30.4	31.6	31.7	32.6	33.6	33.9	34.4	35.0	35.0	35.2	35.2	35.7	36.2
≥ 10000	25.2	29.9	32.4	34.0	35.1	35.2	36.2	37.2	37.6	38.1	38.7	38.7	38.9	38.9	39.3	39.9
≥ 9000	25.4	30.7	33.2	34.8	35.9	36.1	37.1	38.1	38.4	39.0	39.6	39.6	39.8	39.8	40.2	40.8
≥ 8000	27.3	32.9	35.8	37.4	38.8	39.1	40.1	41.1	41.4	42.0	42.6	42.6	42.8	42.8	43.2	43.8
≥ 7000	28.3	35.3	38.7	39.9	41.2	41.6	42.6	43.6	43.9	44.4	45.0	45.0	45.2	45.2	45.7	46.2
≥ 6000	30.2	37.9	40.9	42.8	44.4	45.1	46.1	47.1	47.4	48.0	48.6	48.6	48.8	48.8	49.2	49.8
≥ 5000	32.3	40.8	43.9	46.0	47.9	48.6	49.6	50.6	50.9	51.4	52.0	52.0	52.2	52.2	52.7	53.2
≥ 4500	33.1	42.9	46.2	48.3	50.2	50.9	51.9	53.0	53.3	53.9	54.4	54.4	54.7	54.7	55.1	55.7
≥ 4000	36.3	48.5	52.1	54.3	56.2	57.1	58.1	59.3	59.8	60.3	60.9	60.9	61.1	61.1	61.6	62.1
≥ 3500	38.6	52.1	55.9	58.2	60.1	61.0	62.1	63.4	63.9	64.4	65.0	65.0	65.2	65.2	65.7	66.2
≥ 3000	40.9	55.7	59.9	62.4	64.8	65.7	66.8	68.2	68.7	69.2	69.8	69.8	70.0	70.0	70.4	71.0
≥ 2500	41.7	57.2	61.6	64.3	66.8	67.7	68.9	70.3	70.8	71.3	71.9	71.9	72.1	72.1	72.6	73.1
≥ 2000	42.9	59.2	63.9	66.8	69.3	70.2	71.6	73.0	73.4	74.0	74.6	74.6	74.8	74.8	75.2	75.8
≥ 1800	43.2	60.2	65.1	68.1	70.7	71.7	73.1	74.6	75.0	75.6	76.1	76.1	76.3	76.3	76.8	77.3
≥ 1500	44.8	62.9	67.9	70.9	73.7	74.7	76.2	77.8	78.2	78.9	79.4	79.4	79.7	79.7	80.1	80.7
≥ 1200	46.2	65.2	71.0	74.3	77.6	78.8	80.6	82.1	82.6	83.2	83.8	83.8	84.0	84.0	84.4	85.0
≥ 1000	46.9	66.9	73.0	76.7	80.0	81.3	83.2	84.8	85.3	86.0	86.6	86.6	86.8	86.8	87.2	87.8
≥ 900	47.1	67.8	74.1	77.9	81.6	82.9	84.8	86.4	87.0	87.7	88.2	88.2	88.4	88.4	88.9	89.4
≥ 800	47.1	68.3	74.2	78.9	83.1	84.6	86.4	88.3	88.9	89.6	90.3	90.3	90.6	90.6	91.0	91.6
≥ 700	47.1	68.3	74.9	79.9	84.1	85.7	87.8	89.8	90.3	91.0	91.8	91.8	92.1	92.1	92.6	93.1
≥ 600	47.1	68.3	74.9	80.2	85.1	86.9	89.2	91.3	91.9	92.7	93.4	93.6	93.8	93.8	94.2	94.8
≥ 500	47.1	68.4	75.1	80.4	85.4	87.7	90.1	92.3	93.2	94.0	94.8	94.9	95.1	95.1	95.6	96.1
≥ 400	47.1	68.4	75.1	80.6	85.7	88.1	90.7	93.0	93.9	94.9	95.7	95.8	96.0	96.0	96.4	97.0
≥ 300	47.1	68.4	75.1	80.6	85.7	88.1	90.7	93.1	94.1	95.2	96.4	96.6	96.8	96.8	97.3	97.9
≥ 200	47.1	68.4	75.1	80.6	85.7	88.1	90.7	93.3	94.3	95.7	97.0	97.1	97.3	97.3	97.9	98.8
≥ 100	47.1	68.4	75.1	80.6	85.7	88.1	90.7	93.3	94.3	95.7	97.2	97.4	97.7	97.7	98.3	99.9
≥ 0	47.1	68.4	75.1	80.6	85.7	88.1	90.7	93.3	94.3	95.7	97.2	97.4	97.7	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13240 WRIGHT-PATTERSON AFB OH

67-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	19.8	26.4	27.9	29.1	30.6	31.2	31.8	31.9	32.2	32.4	32.7	32.8	32.9	33.0	33.0	33.2
≥ 20000	20.9	27.9	29.4	30.7	32.3	33.0	33.6	33.7	34.0	34.2	34.4	34.6	34.7	34.8	34.8	35.0
≥ 18000	21.3	28.3	29.9	31.1	32.8	33.4	34.0	34.1	34.4	34.7	34.9	35.0	35.1	35.2	35.2	35.4
≥ 16000	21.3	28.3	29.9	31.1	32.8	33.4	34.0	34.1	34.4	34.7	34.9	35.0	35.1	35.2	35.2	35.4
≥ 14000	21.4	28.8	30.3	31.6	33.2	33.9	34.4	34.6	34.9	35.1	35.3	35.4	35.6	35.7	35.7	35.9
≥ 12000	22.3	30.0	31.5	32.8	34.4	35.1	35.7	35.8	36.1	36.3	36.6	36.7	36.8	36.9	36.9	37.1
≥ 10000	23.2	32.0	33.7	35.0	36.7	37.3	37.9	38.0	38.3	38.6	38.8	38.9	39.0	39.1	39.1	39.3
≥ 9000	24.8	34.1	35.8	37.1	38.9	39.6	40.1	40.2	40.6	40.8	41.0	41.1	41.2	41.3	41.3	41.6
≥ 8000	25.9	36.3	38.3	39.7	41.6	42.2	42.8	42.9	43.2	43.4	43.7	43.8	43.9	44.0	44.0	44.2
≥ 7000	27.1	38.8	40.9	42.3	44.2	44.9	45.4	45.6	45.9	46.1	46.3	46.4	46.6	46.7	46.7	46.9
≥ 6000	27.8	40.0	42.2	43.7	45.6	46.3	46.9	47.0	47.3	47.6	47.8	47.9	48.0	48.1	48.1	48.3
≥ 5000	29.3	42.4	44.9	46.6	48.6	49.3	49.9	50.0	50.3	50.6	50.8	50.9	51.0	51.1	51.1	51.3
≥ 4500	31.1	44.8	47.2	48.9	51.0	51.8	52.4	52.6	52.9	53.1	53.3	53.4	53.6	53.7	53.7	53.9
≥ 4000	33.1	48.0	50.7	52.4	54.7	55.6	56.2	56.3	56.7	56.9	57.1	57.2	57.3	57.4	57.4	57.7
≥ 3500	34.7	51.1	54.0	55.8	58.2	59.2	60.0	60.1	60.4	60.7	60.9	61.0	61.1	61.2	61.2	61.4
≥ 3000	36.4	53.7	56.7	59.1	61.8	63.0	63.8	64.0	64.3	64.6	64.8	64.9	65.0	65.1	65.1	65.3
≥ 2500	37.8	55.6	59.0	61.6	64.7	66.1	66.9	67.1	67.4	67.7	67.9	68.0	68.1	68.2	68.2	68.4
≥ 2000	39.9	59.0	62.9	66.2	69.6	71.1	72.0	72.2	72.7	72.9	73.1	73.2	73.3	73.4	73.4	73.7
≥ 1800	40.3	60.7	64.8	68.2	71.7	73.3	74.2	74.4	75.0	75.2	75.4	75.7	75.8	75.9	75.9	76.1
≥ 1500	41.9	65.0	69.7	73.3	77.0	79.2	80.2	80.4	81.1	81.3	81.6	81.8	81.9	82.0	82.0	82.2
≥ 1200	42.6	67.0	72.6	76.7	80.7	83.1	84.3	84.8	85.4	85.7	85.9	86.1	86.2	86.3	86.3	86.6
≥ 1000	42.7	67.7	73.7	78.3	82.7	85.2	86.4	87.0	87.7	88.0	88.2	88.4	88.6	88.7	88.7	88.9
≥ 900	42.8	68.6	74.7	80.3	84.8	87.4	88.7	89.3	90.0	90.3	90.7	90.9	91.0	91.1	91.1	91.3
≥ 800	42.8	68.8	75.2	81.4	86.4	89.1	90.7	91.4	92.1	92.6	92.9	93.1	93.4	93.6	93.6	93.8
≥ 700	42.8	69.2	75.9	82.2	87.4	90.4	92.6	93.4	94.1	94.6	94.9	95.2	95.6	95.7	95.7	95.9
≥ 600	42.8	69.2	76.0	82.3	87.8	90.8	93.2	94.3	95.1	95.6	95.9	96.2	96.6	96.7	96.7	96.9
≥ 500	42.8	69.2	76.0	82.6	88.1	91.2	94.2	95.4	96.2	96.9	97.2	97.7	98.0	98.2	98.2	98.4
≥ 400	42.8	69.2	76.0	82.6	88.1	91.2	94.3	95.6	96.4	97.1	97.6	98.0	98.4	98.7	98.7	98.9
≥ 300	42.8	69.2	76.0	82.6	88.1	91.2	94.3	95.7	96.7	97.3	98.1	98.8	99.2	99.6	99.6	99.8
≥ 200	42.8	69.2	76.0	82.6	88.1	91.2	94.3	95.7	96.7	97.3	98.1	98.9	99.3	99.7	99.7	100.0
≥ 100	42.8	69.2	76.0	82.6	88.1	91.2	94.3	95.7	96.7	97.3	98.1	98.9	99.3	99.7	99.7	100.0
≥ 0	42.8	69.2	76.0	82.6	88.1	91.2	94.3	95.7	96.7	97.3	98.1	98.9	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	22.3	29.4	31.3	31.2	31.9	31.9	31.9	31.9	31.4	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	24.8	32.4	33.7	34.6	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	25.0	33.0	33.9	34.8	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 16000	25.1	33.1	34.0	34.9	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000	25.7	33.9	34.8	35.7	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 12000	26.4	34.9	35.9	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	27.6	37.0	38.1	39.1	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 9000	29.2	39.3	40.4	41.4	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 8000	30.4	41.1	42.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	32.2	44.2	45.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 6000	32.7	45.3	46.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 5000	33.4	46.7	48.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500	35.2	48.9	50.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	37.1	51.4	53.4	54.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3500	39.6	55.3	57.4	58.9	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3000	44.0	60.8	62.9	64.4	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2500	47.4	65.2	68.0	70.0	71.3	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	49.6	69.2	72.3	74.9	76.8	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1800	50.3	70.7	73.8	76.4	78.3	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1500	52.6	74.7	78.4	82.1	84.2	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1200	53.4	77.8	82.0	86.2	89.7	89.0	89.3	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1000	53.7	78.6	83.0	87.4	90.1	90.4	90.8	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	53.8	78.9	83.6	88.6	91.2	91.9	92.2	92.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	53.8	79.2	84.0	89.4	92.1	93.3	94.0	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	53.8	79.3	84.2	90.0	92.7	94.0	94.9	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	53.8	79.6	84.8	90.9	93.9	95.3	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	54.0	79.9	85.1	91.4	94.7	96.1	97.1	98.2	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	54.0	79.9	85.1	91.4	94.7	96.1	97.2	98.6	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	54.0	79.9	85.1	91.4	94.7	96.2	97.3	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	54.0	79.9	85.1	91.4	94.7	96.2	97.3	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.0	79.9	85.1	91.4	94.7	96.2	97.3	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	54.0	79.9	85.1	91.4	94.7	96.2	97.3	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.8	31.4	31.0	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	29.3	35.3	35.8	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 18000	29.3	35.4	35.9	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 16000	29.3	35.6	36.1	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 14000	29.3	36.1	36.4	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 12000	31.0	38.1	38.6	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 10000	33.1	39.9	40.6	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000	34.4	41.6	42.2	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	35.6	43.2	44.0	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 7000	37.2	47.0	47.8	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 6000	38.7	48.7	49.6	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	39.0	50.6	51.4	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4500	40.9	53.3	54.2	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4000	45.3	59.1	60.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3500	48.2	62.7	64.2	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3000	52.1	67.3	68.8	70.4	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	55.1	72.6	74.6	76.4	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	57.3	77.0	79.7	81.8	82.6	82.6	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	57.4	77.8	80.8	82.9	83.7	83.8	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	59.1	80.7	84.1	86.8	87.7	87.8	87.9	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1200	59.6	82.0	86.2	89.6	90.6	90.8	91.3	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	59.7	82.9	87.2	91.1	92.4	92.8	93.6	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900	59.8	83.2	87.8	92.2	93.7	94.0	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	59.9	83.3	88.0	92.8	94.3	94.8	95.8	96.1	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	60.0	83.7	88.6	93.7	95.2	95.9	97.0	97.3	97.4	97.8	97.9	97.9	98.0	98.0	98.0	98.0
≥ 600	60.0	83.7	88.6	93.7	95.3	96.0	97.1	97.4	97.6	97.9	98.0	98.0	98.0	98.1	98.1	98.1
≥ 500	60.0	83.9	88.8	94.1	96.1	97.0	98.2	98.7	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6
≥ 400	60.1	84.0	88.9	94.2	96.2	97.1	98.3	98.8	99.0	99.3	99.4	99.6	99.7	99.7	99.7	99.7
≥ 300	60.1	84.0	88.9	94.2	96.2	97.1	98.3	98.8	99.0	99.3	99.6	99.9	100.0	100.0	100.0	100.0
≥ 200	60.1	84.0	88.9	94.2	96.2	97.1	98.3	98.8	99.0	99.3	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	60.1	84.0	88.9	94.2	96.2	97.1	98.3	98.8	99.0	99.3	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	60.1	84.0	88.9	94.2	96.2	97.1	98.3	98.8	99.0	99.3	99.8	99.9	100.0	100.0	100.0	100.0

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WRIGHT-PATTERSON AFB OH
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67-70,73-78
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NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	71.4	35.4	35.0	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	34.2	34.4	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	34.2	34.4	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	34.4	36.7	39.7	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 14000	35.0	39.2	40.2	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 12000	36.9	41.1	42.1	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	37.8	42.4	43.4	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 9000	38.3	43.1	44.1	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 8000	40.1	45.3	46.3	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 7000	41.8	47.7	48.8	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000	42.7	49.3	50.6	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 5000	43.7	51.4	52.8	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	46.6	55.1	56.4	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	51.8	61.1	62.6	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	53.7	64.9	66.3	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	57.1	69.7	71.8	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	59.1	74.1	76.0	77.6	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	62.0	79.3	81.2	82.9	83.7	83.7	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	62.4	80.1	82.1	84.0	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500	64.1	83.7	85.9	87.9	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	64.6	84.8	87.1	89.3	90.2	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	64.7	85.3	87.9	90.3	91.9	92.1	92.2	92.2	92.3	92.4	92.6	92.6	92.7	92.7	92.7	92.7
≥ 900	64.8	85.7	88.3	91.2	93.0	93.3	93.6	93.6	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
≥ 800	64.8	85.9	88.9	92.0	94.1	94.6	94.9	94.9	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.4
≥ 700	64.9	86.1	89.2	92.8	95.3	95.8	96.3	96.3	96.6	97.0	97.1	97.1	97.2	97.2	97.2	97.2
≥ 600	64.9	86.3	89.6	93.3	96.0	96.4	97.1	97.1	97.3	97.8	98.0	98.0	98.1	98.1	98.1	98.1
≥ 500	65.0	86.6	89.8	93.6	96.4	97.2	97.9	98.1	98.3	98.8	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	65.0	86.7	90.0	93.9	96.9	97.7	98.3	98.6	98.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	65.1	86.8	90.1	94.0	97.0	97.8	98.6	98.8	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	65.1	86.8	90.1	94.0	97.0	97.8	98.6	98.8	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	65.1	86.8	90.1	94.0	97.0	97.8	98.6	98.8	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	65.1	86.8	90.1	94.0	97.0	97.8	98.6	98.8	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	29.8	33.3	34.3	34.9	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.9
≥ 20000	32.1	36.6	37.6	38.2	39.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2
≥ 18000	32.1	36.6	37.6	38.2	39.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2
≥ 16000	32.3	36.8	37.8	38.4	39.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.4
≥ 14000	32.4	36.9	37.9	38.6	39.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.6
≥ 12000	33.7	38.1	39.1	39.8	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8
≥ 10000	36.6	41.7	42.7	43.4	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
≥ 9000	37.1	42.2	43.2	44.0	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.0
≥ 8000	39.4	44.7	45.8	46.6	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.6
≥ 7000	41.0	46.7	47.9	48.9	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.9
≥ 6000	43.1	49.0	50.2	51.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.4
≥ 5000	45.4	51.9	53.0	54.3	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3
≥ 4500	48.3	55.1	56.6	58.0	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1
≥ 4000	52.0	59.6	61.0	62.6	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.7
≥ 3500	55.2	64.1	65.6	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.3
≥ 3000	57.2	67.6	69.0	70.8	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.1
≥ 2500	59.7	71.3	73.6	75.3	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.7
≥ 2000	62.3	75.6	77.3	79.1	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7
≥ 1800	63.6	77.3	79.1	80.9	81.6	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
≥ 1500	65.3	80.8	82.6	84.3	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
≥ 1200	67.3	83.7	85.9	87.7	89.1	89.6	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2
≥ 1000	67.4	84.9	87.3	89.2	90.8	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3
≥ 900	67.7	85.4	87.9	89.8	91.3	92.1	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9
≥ 800	68.2	86.1	88.8	91.1	93.6	94.3	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1
≥ 700	68.6	86.8	89.7	92.1	95.0	95.9	96.2	96.2	96.4	96.4	96.7	96.7	96.7	96.7	96.7	97.0
≥ 600	68.7	87.1	90.0	92.7	95.6	96.4	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.8
≥ 500	68.7	87.1	90.0	92.7	95.9	96.9	97.7	97.7	98.0	98.0	98.2	98.3	98.6	98.6	98.6	98.7
≥ 400	68.7	87.1	90.0	92.7	96.0	97.4	98.4	98.4	98.8	98.8	99.0	99.1	99.3	99.3	99.3	99.7
≥ 300	68.7	87.1	90.0	92.7	96.0	97.6	98.6	98.6	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.8
≥ 200	68.7	87.1	90.0	92.7	96.0	97.6	98.6	98.6	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.8
≥ 100	68.7	87.1	90.0	92.7	96.0	97.6	98.6	98.6	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.9
≥ 0	68.7	87.1	90.0	92.7	96.0	97.6	98.6	98.6	98.9	98.9	99.1	99.2	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	25.4	30.3	31.5	32.4	33.2	33.4	33.6	33.8	33.9	34.1	34.2	34.2	34.3	34.3	34.5	34.7
≥ 20000	27.5	32.9	34.2	35.1	35.9	36.2	36.4	36.5	36.7	36.9	37.0	37.0	37.1	37.2	37.3	37.5
≥ 18000	27.7	33.0	34.3	35.3	36.1	36.3	36.5	36.7	36.9	37.0	37.2	37.2	37.3	37.3	37.4	37.7
≥ 16000	27.7	33.1	34.4	35.3	36.2	36.4	36.6	36.8	36.9	37.1	37.2	37.3	37.3	37.4	37.5	37.7
≥ 14000	28.0	33.5	34.8	35.7	36.5	36.8	37.0	37.2	37.3	37.5	37.6	37.6	37.7	37.8	37.9	38.1
≥ 12000	29.3	34.9	36.2	37.2	38.0	38.2	38.5	38.7	38.8	39.0	39.1	39.1	39.2	39.2	39.4	39.6
≥ 10000	31.2	37.4	38.8	39.9	40.8	41.0	41.3	41.4	41.6	41.7	41.9	41.9	42.0	42.0	42.1	42.4
≥ 9000	32.1	38.7	40.1	41.2	42.0	42.2	42.5	42.7	42.8	43.0	43.1	43.1	43.2	43.3	43.4	43.6
≥ 8000	33.8	41.1	42.6	43.7	44.7	44.9	45.2	45.3	45.5	45.7	45.8	45.8	45.9	45.9	46.1	46.3
≥ 7000	35.2	43.5	45.1	46.4	47.3	47.6	47.8	48.0	48.2	48.3	48.4	48.5	48.5	48.6	48.7	48.9
≥ 6000	36.6	45.5	47.2	48.6	49.6	49.9	50.2	50.3	50.5	50.6	50.8	50.8	50.9	50.9	51.0	51.3
≥ 5000	38.4	48.0	49.7	51.3	52.4	52.7	52.9	53.1	53.3	53.4	53.5	53.6	53.6	53.7	53.8	54.3
≥ 4500	40.4	50.7	52.6	54.2	55.3	55.6	55.9	56.1	56.2	56.4	56.5	56.5	56.6	56.6	56.8	57.0
≥ 4000	43.6	55.3	57.3	59.1	60.3	60.6	60.9	61.1	61.3	61.4	61.7	61.6	61.6	61.7	61.8	62.0
≥ 3500	46.4	59.1	61.2	63.0	64.3	64.6	64.9	65.2	65.3	65.5	65.6	65.6	65.7	65.7	65.9	66.1
≥ 3000	49.1	62.9	65.7	67.2	68.6	68.9	69.3	69.6	69.7	69.9	70.0	70.1	70.1	70.2	70.3	70.6
≥ 2500	51.3	66.3	69.0	71.2	72.8	73.2	73.6	73.8	74.0	74.2	74.3	74.3	74.4	74.5	74.6	74.8
≥ 2000	53.4	69.8	72.7	75.2	76.9	77.4	77.8	78.1	78.3	78.5	78.7	78.7	78.8	78.8	78.9	79.2
≥ 1800	54.0	71.3	74.0	76.5	78.3	78.8	79.3	79.6	79.8	80.0	80.1	80.2	80.2	80.3	80.4	80.7
≥ 1500	56.3	74.5	77.9	80.7	82.6	83.3	83.8	84.1	84.3	84.5	84.7	84.7	84.8	84.8	85.0	85.2
≥ 1200	57.0	76.6	80.5	83.6	85.8	86.5	87.1	87.5	87.7	88.0	88.1	88.2	88.3	88.3	88.4	88.7
≥ 1000	57.3	77.9	81.9	85.3	87.7	88.5	89.2	89.6	89.9	90.2	90.3	90.3	90.5	90.5	90.7	90.9
≥ 900	57.5	78.4	82.6	86.4	89.0	89.9	90.6	91.1	91.3	91.6	91.8	91.8	92.0	92.0	92.2	92.4
≥ 800	57.6	78.8	83.2	87.4	90.4	91.4	92.3	92.8	93.0	93.4	93.6	93.6	93.8	93.8	94.0	94.2
≥ 700	57.7	79.2	83.7	88.2	91.4	92.5	93.6	94.1	94.4	94.8	95.1	95.1	95.3	95.3	95.5	95.7
≥ 600	57.7	79.4	84.0	88.8	92.2	93.4	94.6	95.2	95.5	95.9	96.1	96.2	96.3	96.4	96.5	96.8
≥ 500	57.7	79.5	84.1	89.0	92.7	94.2	95.6	96.3	96.7	97.3	97.5	97.6	97.8	97.9	98.0	98.3
≥ 400	57.7	79.5	84.2	89.1	92.8	94.5	96.0	96.8	97.2	97.8	98.1	98.2	98.4	98.4	98.6	98.8
≥ 300	57.8	79.5	84.2	89.1	92.8	94.5	96.1	97.0	97.5	98.2	98.7	98.8	99.0	99.0	99.2	99.4
≥ 200	57.8	79.5	84.2	89.1	92.8	94.5	96.1	97.0	97.5	98.3	98.8	98.9	99.1	99.2	99.3	99.6
≥ 100	57.8	79.5	84.2	89.1	92.8	94.5	96.1	97.0	97.6	98.3	98.8	99.0	99.2	99.2	99.5	100.0
≥ 0	57.8	79.5	84.2	89.1	92.8	94.5	96.1	97.0	97.6	98.3	98.8	99.0	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	33.3	33.5	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	31.7	35.1	35.4	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000	31.7	35.1	35.4	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	31.6	35.2	35.5	35.7	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 14000	32.3	35.6	35.9	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 12000	32.9	36.3	36.7	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	35.4	38.9	39.2	39.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000	36.6	40.2	40.5	40.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	38.7	42.8	43.1	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	41.3	46.2	46.6	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 6000	42.9	48.7	49.2	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5000	44.8	51.2	51.9	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	46.7	53.8	54.6	54.9	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4000	48.3	55.5	56.3	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 3500	50.2	58.2	59.6	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 3000	52.2	61.6	63.4	63.8	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 2500	57.2	68.0	70.0	70.3	71.3	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	60.1	71.8	74.2	74.8	76.1	76.1	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800	61.3	73.5	75.9	76.6	77.8	77.8	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	63.5	76.9	79.4	80.1	81.8	81.8	82.3	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	64.9	79.0	81.8	82.8	84.7	84.7	85.2	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	65.6	80.5	83.5	84.6	86.7	86.7	87.2	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	65.9	81.8	84.9	86.1	88.4	88.4	88.9	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 800	65.9	82.2	85.7	87.2	89.7	89.7	90.2	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	65.9	82.5	86.3	88.3	91.2	91.5	92.2	92.6	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	65.9	82.8	86.9	88.9	92.2	92.6	93.3	93.8	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	66.0	82.9	87.0	89.1	92.9	93.7	94.6	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	66.0	82.9	87.0	89.2	93.0	94.0	95.5	96.0	96.2	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	66.0	82.9	87.0	89.5	93.2	94.3	96.0	96.9	97.1	97.8	98.5	98.5	98.9	98.9	99.0	99.0
≥ 200	66.0	82.9	87.0	89.5	93.2	94.3	96.0	97.0	97.3	98.2	98.9	98.9	99.5	99.5	99.6	99.7
≥ 100	66.0	82.9	87.0	89.5	93.2	94.3	96.0	97.0	97.3	98.3	99.0	99.0	99.6	99.7	99.8	100.0
≥ 0	66.0	82.9	87.0	89.5	93.2	94.3	96.0	97.0	97.3	98.3	99.0	99.0	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	30.0	34.4	34.8	36.3	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	30.8	35.3	35.7	37.2	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 18000	30.9	35.4	35.8	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 16000	30.9	35.4	35.8	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 14000	31.2	35.7	36.1	37.6	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 12000	32.2	36.7	37.1	38.8	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 10000	34.3	39.0	39.5	41.2	41.4	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000	34.8	40.0	40.4	42.2	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	36.8	42.5	42.9	44.6	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 7000	39.2	45.3	45.9	47.7	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 6000	40.6	47.6	48.3	50.2	50.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 5000	42.3	49.2	50.0	52.0	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4500	43.5	50.9	51.6	54.0	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4000	45.2	53.2	54.1	56.6	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3500	46.5	54.9	56.0	58.5	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 3000	49.4	58.7	59.9	62.5	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2500	54.0	64.4	65.9	68.6	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 2000	56.8	68.1	69.7	72.4	73.0	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1800	57.7	69.1	70.8	73.4	74.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1500	59.8	73.1	74.9	77.7	78.4	79.1	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1200	62.7	78.3	79.8	82.7	83.4	84.3	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1000	63.1	79.2	81.7	84.7	85.8	86.8	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	64.0	80.6	83.7	86.9	88.1	89.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	64.1	81.0	84.1	87.3	88.9	90.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	64.3	81.6	84.1	86.4	90.6	91.8	93.1	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 600	64.4	82.3	85.8	89.6	91.9	93.1	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	64.5	82.7	86.3	90.2	93.1	94.6	96.3	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	64.5	82.8	86.5	90.4	93.4	95.1	96.8	97.4	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.2
≥ 300	64.5	82.8	86.5	90.5	93.7	95.4	97.4	98.1	98.2	98.5	99.1	99.1	99.6	99.7	99.8	99.9
IV 200	64.5	82.8	86.5	90.5	93.7	95.4	97.4	98.1	98.2	98.5	99.1	99.1	99.6	99.7	99.8	99.9
≥ 100	64.5	82.8	86.5	90.5	93.7	95.4	97.4	98.1	98.2	98.5	99.1	99.1	99.6	99.7	99.8	99.9
IV 0	64.5	82.8	86.5	90.5	93.7	95.4	97.4	98.1	98.2	98.5	99.1	99.1	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	24.6	29.2	30.8	31.8	32.7	33.0	33.2	33.3	33.3	33.5	33.5	33.7	33.8	33.8	33.8	33.8
≥ 20000	25.5	30.2	31.7	32.9	33.8	34.1	34.3	34.4	34.4	34.6	34.6	34.7	34.8	34.8	34.8	34.8
≥ 18000	25.5	30.2	31.7	32.9	33.8	34.1	34.3	34.4	34.4	34.6	34.6	34.7	34.8	34.8	34.8	34.8
≥ 16000	25.6	30.3	31.8	33.0	33.9	34.2	34.4	34.5	34.5	34.7	34.7	34.8	34.9	34.9	34.9	34.9
≥ 14000	25.6	30.3	31.8	33.0	33.9	34.2	34.4	34.5	34.5	34.7	34.7	34.8	34.9	34.9	34.9	34.9
≥ 12000	25.9	30.6	32.2	33.5	34.5	34.8	35.2	35.3	35.3	35.5	35.5	35.6	35.7	35.7	35.7	35.7
≥ 10000	28.2	33.2	34.9	36.3	37.3	37.7	38.2	38.3	38.3	38.5	38.5	38.6	38.7	38.7	38.7	38.7
≥ 9000	28.8	34.2	36.0	37.4	38.4	38.8	39.2	39.4	39.4	39.6	39.6	39.7	39.8	39.8	39.8	39.8
≥ 8000	31.3	37.8	39.7	41.1	42.0	42.5	42.9	43.0	43.0	43.2	43.2	43.3	43.4	43.4	43.4	43.4
≥ 7000	33.1	40.1	41.9	43.3	44.3	44.7	45.2	45.3	45.3	45.5	45.5	45.6	45.7	45.7	45.7	45.7
≥ 6000	34.1	41.9	43.9	45.3	46.2	46.7	47.1	47.2	47.2	47.4	47.4	47.5	47.6	47.6	47.6	47.6
≥ 5000	35.9	44.4	46.6	48.2	49.1	49.6	50.1	50.2	50.2	50.4	50.4	50.5	50.6	50.6	50.6	50.6
≥ 4500	37.1	46.0	48.2	50.0	51.2	51.6	52.2	52.3	52.3	52.5	52.5	52.6	52.7	52.7	52.7	52.7
≥ 4000	38.2	47.6	50.0	51.8	53.0	53.5	54.1	54.2	54.2	54.4	54.4	54.5	54.6	54.6	54.6	54.6
≥ 3500	38.9	48.7	51.2	53.1	54.5	55.1	55.6	55.7	55.7	55.9	55.9	56.0	56.1	56.1	56.1	56.1
≥ 3000	41.5	52.4	55.2	57.4	58.9	59.5	60.0	60.1	60.1	60.3	60.3	60.4	60.5	60.5	60.5	60.5
≥ 2500	44.3	57.8	60.9	63.3	64.9	65.5	66.0	66.1	66.1	66.3	66.3	66.5	66.6	66.6	66.6	66.6
≥ 2000	48.1	63.0	66.2	68.8	70.5	71.3	71.8	71.9	71.9	72.2	72.2	72.3	72.4	72.4	72.4	72.4
≥ 1800	49.1	64.8	68.3	70.9	72.7	73.4	74.0	74.1	74.1	74.3	74.3	74.4	74.6	74.6	74.6	74.6
≥ 1500	51.3	68.9	72.9	75.6	77.6	78.4	78.9	79.1	79.2	79.6	79.7	79.8	80.0	80.0	80.0	80.0
≥ 1200	53.9	72.2	76.5	79.4	81.4	82.2	82.8	83.2	83.3	83.7	83.8	83.9	84.1	84.1	84.1	84.1
≥ 1000	54.7	74.6	79.4	82.6	85.1	85.8	86.5	86.9	87.0	87.4	87.5	87.6	87.8	87.8	87.8	87.8
≥ 900	54.8	75.5	80.2	83.8	86.2	87.0	87.6	88.3	88.5	89.0	89.2	89.4	89.6	89.6	89.6	89.6
≥ 800	55.2	76.7	81.6	85.4	88.4	89.1	89.8	90.5	90.8	91.3	91.5	91.6	91.9	91.9	91.9	91.9
≥ 700	55.4	77.1	82.0	86.1	89.6	90.3	91.0	91.9	92.2	92.7	92.9	93.0	93.3	93.3	93.3	93.3
≥ 600	55.4	77.8	82.9	87.1	90.9	91.6	92.4	93.3	93.5	94.1	94.3	94.4	94.8	94.8	94.8	94.8
≥ 500	55.4	78.2	83.3	87.8	91.7	93.0	94.1	95.3	95.6	96.2	96.7	96.8	97.2	97.2	97.2	97.2
≥ 400	55.4	78.3	83.4	88.0	91.9	93.3	94.5	95.9	96.3	97.1	97.5	97.6	98.3	98.3	98.3	98.3
≥ 300	55.4	78.3	83.4	88.0	91.9	93.4	94.6	96.0	96.7	97.6	98.1	98.3	98.9	98.9	98.9	98.9
≥ 200	55.4	78.3	83.4	88.0	91.9	93.4	94.6	96.1	96.9	97.8	98.3	98.6	99.4	99.4	99.4	99.5
≥ 100	55.4	78.3	83.4	88.0	91.9	93.4	94.6	96.1	96.9	97.8	98.4	98.8	99.6	99.6	99.7	100.0
≥ 0	55.4	78.3	83.4	88.0	91.9	93.4	94.6	96.1	96.9	97.8	98.4	98.8	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

2-5
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ .
NO CEILING	21.1	26.7	28.4	29.4	30.3	30.6	31.0	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.4
≥ 20000	22.3	28.2	29.9	31.0	32.0	32.4	32.7	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.1
≥ 18000	22.4	28.3	30.1	31.2	32.3	32.6	32.9	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.3
≥ 16000	22.4	28.3	30.1	31.2	32.3	32.6	32.9	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.3
≥ 14000	22.6	28.8	30.6	31.7	32.9	33.2	33.7	33.8	33.8	33.9	33.9	33.9	34.0	34.0	34.1
≥ 12000	24.1	30.6	32.5	33.5	34.7	35.1	35.6	35.7	35.7	35.8	35.8	35.8	35.9	35.9	36.0
≥ 10000	25.3	32.6	34.4	35.5	36.8	37.1	37.7	37.8	37.8	38.0	38.0	38.0	38.1	38.1	38.2
≥ 9000	25.4	33.1	35.1	36.2	37.5	37.8	38.5	38.7	38.7	38.8	38.8	38.8	38.9	38.9	39.0
≥ 8000	26.0	35.9	38.1	39.2	40.5	40.9	41.5	41.7	41.7	41.8	41.8	41.8	41.9	41.9	42.0
≥ 7000	27.8	38.3	40.6	41.9	43.5	43.9	44.5	44.7	44.7	44.8	44.8	44.8	44.9	44.9	45.1
≥ 6000	29.6	40.4	42.8	44.1	45.9	46.3	47.0	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.5
≥ 5000	31.3	42.9	45.5	47.4	49.5	49.9	50.6	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.2
≥ 4500	32.0	43.4	46.1	48.4	50.4	51.0	51.7	51.9	51.9	52.0	52.0	52.0	52.2	52.2	52.3
≥ 4000	32.8	44.7	47.6	50.0	52.0	52.6	53.3	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.9
≥ 3500	33.7	46.0	48.9	51.3	53.4	54.1	54.8	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.4
≥ 3000	36.3	49.7	52.7	55.1	57.4	58.2	58.9	59.1	59.1	59.2	59.2	59.2	59.5	59.5	59.6
≥ 2500	39.4	55.3	58.4	61.4	64.0	64.7	65.5	65.7	65.7	65.8	65.8	65.9	66.0	66.0	66.1
≥ 2000	43.1	60.8	64.0	67.0	69.7	70.4	71.2	71.4	71.4	71.5	71.5	71.6	71.8	71.8	72.0
≥ 1800	43.7	62.2	65.4	68.7	71.5	72.3	73.1	73.4	73.4	73.5	73.5	73.7	73.9	73.9	74.1
≥ 1500	45.6	65.3	68.9	72.3	75.3	76.1	77.1	77.4	77.4	77.5	77.5	77.6	77.8	77.8	78.1
≥ 1200	46.5	67.7	71.6	75.3	78.6	79.5	80.5	81.0	81.0	81.3	81.4	81.5	81.7	81.7	81.9
≥ 1000	46.7	69.4	74.1	78.2	81.8	82.6	84.2	84.7	84.8	85.2	85.6	85.7	85.9	85.9	86.1
≥ 900	46.8	69.8	74.6	78.8	82.8	83.8	85.4	85.9	86.0	86.3	86.8	86.9	87.2	87.2	87.4
≥ 800	46.8	71.2	76.3	80.8	85.6	86.8	88.6	89.6	89.7	90.0	90.4	90.5	90.9	90.9	91.1
≥ 700	46.8	71.9	77.2	81.9	86.9	88.5	90.4	91.5	91.6	92.0	92.6	92.7	93.0	93.0	93.2
≥ 600	46.8	72.3	77.5	82.5	87.8	89.7	91.9	93.0	93.2	93.7	94.2	94.3	94.6	94.6	94.8
≥ 500	46.8	72.3	77.7	82.7	88.1	90.0	92.7	94.4	94.7	95.2	96.0	96.1	96.5	96.5	96.7
≥ 400	46.8	72.3	77.7	82.7	88.1	90.1	92.9	95.4	96.0	96.8	98.0	98.2	98.5	98.6	98.8
≥ 300	46.8	72.3	77.7	82.7	88.1	90.1	92.9	95.4	96.1	97.0	98.4	98.7	99.0	99.4	99.8
≥ 200	46.8	72.3	77.7	82.7	88.1	90.1	92.9	95.5	96.2	97.1	98.6	98.9	99.2	99.6	99.9
≥ 100	46.8	72.3	77.7	82.7	88.1	90.1	92.9	95.5	96.2	97.1	98.6	98.9	99.2	99.6	99.9
≥ 0	46.8	72.3	77.7	82.7	88.1	90.1	92.9	95.5	96.2	97.1	98.6	98.9	99.2	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13841
STATION

PIGHT-PATTERSON AFS OH
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	24.5	30.5	31.3	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	26.5	32.7	33.5	34.0	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 18000	26.5	32.8	33.7	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 16000	26.5	32.8	33.7	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 14000	26.7	33.1	34.0	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000	27.7	34.9	35.8	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 10000	29.7	37.5	38.6	39.2	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	29.9	38.5	39.6	40.3	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 8000	31.8	41.0	42.2	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 7000	32.4	41.8	43.2	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 6000	33.1	42.3	44.5	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 5000	34.6	44.8	46.6	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4500	35.6	46.1	48.0	49.1	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4000	36.3	47.6	49.9	51.2	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 3500	37.7	49.7	51.9	53.5	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 3000	40.4	53.9	56.2	58.2	59.0	59.1	59.2	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 2500	45.6	60.4	62.9	65.4	66.5	66.7	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2000	49.6	66.0	68.7	71.3	72.6	72.8	72.9	73.4	73.4	73.4	73.5	73.5	73.8	73.8	73.8	73.8
≥ 1800	51.0	68.0	70.9	73.5	74.8	75.1	75.2	75.7	75.7	75.7	75.8	75.8	76.0	76.0	76.0	76.0
≥ 1500	52.5	71.2	74.4	77.2	78.6	78.8	79.0	79.6	79.7	79.7	79.8	79.8	80.0	80.0	80.0	80.0
≥ 1200	53.9	74.3	78.0	81.5	83.4	83.7	83.9	84.7	84.8	84.8	85.1	85.1	85.3	85.3	85.3	85.3
≥ 1000	54.0	75.3	79.2	83.1	85.5	85.9	86.3	87.6	87.7	87.8	88.1	88.1	88.3	88.3	88.3	88.3
≥ 900	54.3	76.3	80.2	84.4	87.4	88.0	88.5	89.7	89.8	89.9	90.2	90.2	90.4	90.4	90.4	90.4
≥ 800	54.9	77.3	81.7	85.9	89.4	89.9	90.6	92.3	92.4	92.6	92.9	93.0	93.2	93.2	93.2	93.2
≥ 700	55.1	77.4	81.9	86.5	90.1	90.8	91.5	93.4	93.5	93.8	94.1	94.2	94.4	94.4	94.4	94.4
≥ 600	55.1	78.1	82.6	87.2	91.2	91.8	92.9	94.9	95.2	95.4	95.7	95.8	96.0	96.0	96.0	96.0
≥ 500	55.1	78.2	82.8	87.6	92.0	92.9	94.3	96.6	96.9	97.1	97.5	97.6	97.8	97.8	97.8	97.8
≥ 400	55.1	78.2	82.8	87.6	92.2	93.0	94.5	97.4	98.4	98.6	99.0	99.1	99.5	99.5	99.5	99.5
≥ 300	55.1	78.2	82.8	87.6	92.3	93.1	94.6	97.6	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0
≥ 200	55.1	78.2	82.8	87.6	92.3	93.1	94.6	97.6	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0
≥ 100	55.1	78.2	82.8	87.6	92.3	93.1	94.6	97.6	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0
≥ 0	55.1	78.2	82.8	87.6	92.3	93.1	94.6	97.6	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

15840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

JEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	26.8	31.4	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥20000	26.4	33.8	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥18000	26.4	34.7	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥16000	26.4	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥14000	26.6	34.8	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥12000	26.6	36.2	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥10000	22.8	41.3	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥9000	23.0	41.3	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥8000	34.1	43.1	44.3	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥7000	34.2	44.2	45.1	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥6000	35.7	45.4	46.7	46.7	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥5000	37.2	47.6	48.6	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥4500	38.1	48.7	49.7	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥4000	39.2	51.1	52.3	52.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥3500	41.6	52.8	54.1	54.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥3000	44.1	57.7	58.7	59.5	61.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥2500	47.4	61.4	63.7	64.9	66.3	66.5	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥2000	50.5	65.6	68.4	70.2	72.3	72.4	72.6	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1
≥1800	51.3	68.3	70.4	72.7	74.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥1500	54.2	73.0	76.1	78.4	81.2	81.3	81.7	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥1200	54.7	75.5	79.0	82.7	86.2	86.5	87.0	87.6	87.7	88.0	88.5	88.5	88.5	88.5	88.5	88.5
≥1000	55.1	76.3	80.0	84.2	88.3	88.3	88.9	89.5	90.1	90.2	90.4	91.0	91.0	91.2	91.2	91.2
≥900	55.3	76.9	81.6	85.2	89.7	90.4	91.0	91.6	91.7	91.9	92.5	92.5	92.5	92.5	92.5	92.5
≥800	55.3	77.3	82.3	86.2	91.0	91.6	92.6	93.5	93.7	93.9	94.4	94.4	94.4	94.4	94.4	94.4
≥700	55.4	77.6	83.1	87.1	91.9	93.0	93.9	94.8	94.9	95.2	95.7	95.7	95.7	95.7	95.7	95.7
≥600	55.4	77.8	83.4	87.7	92.7	94.0	94.8	95.9	96.1	96.2	97.0	97.0	97.0	97.0	97.0	97.0
≥500	55.4	78.5	84.1	88.4	93.4	94.7	95.8	97.2	97.2	97.5	98.4	98.4	98.4	98.4	98.4	98.4
≥400	55.4	78.7	84.3	88.6	93.8	95.2	96.3	97.8	98.1	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥300	55.4	78.7	84.3	88.6	93.8	95.2	96.3	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4
≥200	55.4	78.7	84.3	88.6	93.8	95.2	96.3	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4
≥100	55.4	78.7	84.3	88.6	93.8	95.2	96.3	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4
≥0	55.4	78.7	84.3	88.6	93.8	95.2	96.3	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13640
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70,73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.5	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	33.3	36.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 18000	33.3	36.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 16000	33.3	36.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 14000	33.3	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 12000	34.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 10000	36.5	40.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 9000	37.4	41.8	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	39.3	44.4	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000	41.2	47.2	48.1	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 6000	41.9	48.7	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 5000	43.9	51.1	52.2	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4500	44.5	51.7	52.8	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000	45.9	53.9	55.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3500	47.6	56.8	58.5	59.1	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3000	51.2	61.1	62.8	63.9	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	53.6	65.2	67.1	68.8	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2000	56.6	69.5	71.8	73.7	74.8	74.9	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1800	57.7	71.2	73.5	75.5	76.6	76.7	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1500	60.1	75.8	78.4	81.4	82.9	83.1	83.7	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	61.3	78.9	81.9	85.2	87.1	87.5	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	61.5	79.5	83.1	86.6	88.6	89.3	90.2	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	61.6	80.3	84.1	87.8	89.9	90.6	91.5	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	61.6	81.0	85.0	88.9	91.4	92.2	93.1	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	61.7	81.5	85.5	89.4	92.2	93.6	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.5	95.5	95.5
≥ 600	61.7	81.6	85.6	89.5	92.8	94.2	95.3	95.8	95.8	96.2	96.2	96.3	96.6	96.6	96.6	96.6
≥ 500	61.7	81.7	85.9	90.2	93.6	95.3	96.8	97.5	97.6	98.1	98.1	98.2	98.4	98.4	98.4	98.4
≥ 400	61.7	81.7	85.9	90.2	93.8	95.5	97.1	98.2	98.3	98.9	98.9	99.0	99.2	99.2	99.2	99.2
≥ 300	61.7	81.7	85.9	90.2	93.8	95.5	97.1	98.3	98.4	99.1	99.1	99.2	99.7	99.7	99.7	99.7
≥ 200	61.7	81.7	85.9	90.2	93.8	95.5	97.1	98.3	98.4	99.1	99.1	99.2	99.7	99.7	99.7	99.7
≥ 100	61.7	81.7	85.9	90.2	93.8	95.5	97.1	98.3	98.4	99.1	99.1	99.2	99.7	99.7	99.8	100.0
≥ 0	61.7	81.7	85.9	90.2	93.8	95.5	97.1	98.3	98.4	99.1	99.1	99.2	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-76
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	28.8	31.5	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000	30.1	33.2	33.3	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 18000	30.1	33.2	33.3	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 16000	30.1	33.2	33.3	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 14000	30.5	33.7	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 12000	31.5	34.7	34.8	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 10000	34.7	38.4	38.5	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 9000	35.8	39.5	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 8000	37.9	42.1	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 7000	40.6	45.1	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 6000	42.9	47.9	48.3	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 5000	43.8	50.1	50.5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 4500	46.1	52.5	53.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 4000	48.8	55.4	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	51.1	58.6	59.7	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3000	54.0	62.8	63.9	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 2500	58.6	68.7	70.3	70.8	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	62.6	74.6	76.1	77.0	77.5	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1800	64.0	76.6	78.0	79.0	79.5	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1500	66.1	80.2	81.7	83.0	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	67.2	82.3	83.8	85.4	86.7	86.8	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	67.4	83.5	85.3	87.2	88.9	89.0	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	67.9	84.6	86.7	88.8	90.6	90.7	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800	68.7	85.1	87.5	89.6	91.9	92.0	92.3	92.3	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8
≥ 700	68.1	85.4	87.8	90.2	92.6	93.3	93.6	93.6	93.6	93.7	94.0	94.1	94.1	94.1	94.1	94.1
≥ 600	68.1	85.7	88.1	90.6	93.2	94.1	94.4	94.4	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9
≥ 500	68.2	86.2	89.0	91.9	95.0	95.9	96.3	96.4	96.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3
≥ 400	68.2	86.2	89.0	91.9	95.3	96.1	96.8	97.1	97.6	98.0	98.2	98.3	98.4	98.4	98.4	98.4
≥ 300	68.2	86.2	89.0	91.9	95.3	96.2	97.0	97.5	98.3	98.6	99.0	99.1	99.2	99.2	99.4	99.4
≥ 200	68.2	86.2	89.0	91.9	95.3	96.2	97.0	97.5	98.3	98.9	99.5	99.6	99.9	99.9	99.9	99.9
≥ 100	68.2	86.2	89.0	91.9	95.3	96.2	97.0	97.5	98.3	98.9	99.5	99.6	99.9	99.9	100.0	100.0
≥ 0	68.2	86.2	89.0	91.9	95.3	96.2	97.0	97.5	98.3	98.9	99.5	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	27.2	31.4	32.1	32.7	33.0	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	28.6	33.1	33.9	34.5	34.9	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.2
≥ 18000	28.6	33.2	33.7	34.6	35.0	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.3
≥ 16000	28.6	33.2	34.0	34.6	35.0	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.3	35.3	35.3
≥ 14000	28.8	33.6	34.4	35.0	35.4	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	35.7
≥ 12000	29.8	34.9	35.7	36.3	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.1
≥ 10000	32.1	37.6	38.4	39.1	39.6	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0
≥ 9000	32.7	38.6	39.5	40.2	40.7	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1
≥ 8000	34.6	41.2	42.2	43.0	43.5	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
≥ 7000	36.3	43.5	44.6	45.5	46.1	46.2	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	37.6	45.4	46.6	47.6	48.2	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 5000	39.3	47.7	49.0	50.1	50.7	50.9	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 4500	40.4	49.1	50.5	51.8	52.5	52.6	52.8	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0
≥ 4000	41.8	51.1	52.8	54.1	54.8	55.0	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 3500	43.3	53.2	55.1	56.4	57.2	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
≥ 3000	46.2	57.1	59.1	60.6	61.5	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3
≥ 2500	50.0	62.6	64.9	66.7	67.8	68.2	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7
≥ 2000	53.4	67.5	69.9	71.9	73.3	73.7	74.0	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
≥ 1800	54.5	69.2	71.7	73.8	75.2	75.6	76.0	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4
≥ 1500	56.6	73.0	75.8	78.2	80.0	80.3	80.8	81.1	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5
≥ 1200	58.1	76.0	79.1	81.9	84.0	84.4	85.0	85.3	85.4	85.5	85.7	85.7	85.8	85.8	85.8	85.8
≥ 1000	58.5	77.3	80.9	83.9	86.3	86.9	87.6	88.0	88.1	88.3	88.5	88.5	88.6	88.6	88.6	88.6
≥ 900	58.8	78.2	82.0	85.2	87.9	88.5	89.3	89.7	89.8	90.0	90.2	90.2	90.4	90.4	90.4	90.4
≥ 800	59.0	79.2	83.0	86.4	89.5	90.2	91.0	91.7	91.8	92.0	92.2	92.2	92.3	92.4	92.4	92.5
≥ 700	59.1	79.4	83.6	87.2	90.6	91.6	92.5	93.3	93.4	93.7	93.9	94.0	94.1	94.1	94.2	94.2
≥ 600	59.1	79.8	84.1	87.9	91.6	92.6	93.7	94.5	94.7	94.9	95.2	95.3	95.5	95.5	95.5	95.5
≥ 500	59.1	80.1	84.5	88.5	92.5	93.8	95.1	96.2	96.4	96.7	97.1	97.1	97.3	97.3	97.4	97.4
≥ 400	59.1	80.1	84.6	88.6	92.7	94.0	95.5	96.9	97.3	97.8	98.2	98.3	98.6	98.6	98.6	98.6
≥ 300	59.1	80.1	84.6	88.6	92.7	94.1	95.7	97.2	97.7	98.2	98.8	99.0	99.3	99.4	99.4	99.5
≥ 200	59.1	80.1	84.6	88.6	92.7	94.1	95.7	97.3	97.7	98.4	99.0	99.2	99.6	99.7	99.8	99.8
≥ 100	59.1	80.1	84.6	88.6	92.7	94.1	95.7	97.3	97.7	98.4	99.1	99.2	99.7	99.7	99.9	100.0
≥ 0	59.1	80.1	84.6	88.6	92.7	94.1	95.7	97.3	97.7	98.4	99.1	99.2	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13647
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-79
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	32.7	42.3	44.2	45.7	46.9	47.3	47.7	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.5	48.6
≥ 20000	35.3	45.8	48.0	49.7	51.0	51.5	52.0	52.3	52.4	52.5	52.6	52.6	52.7	52.7	52.8	52.8
≥ 18000	35.4	46.0	48.2	49.9	51.2	51.7	52.1	52.5	52.6	52.7	52.8	52.8	52.9	52.9	52.9	53.0
≥ 16000	35.5	46.1	48.3	50.0	51.3	51.8	52.3	52.6	52.7	52.8	52.9	52.9	53.0	53.0	53.1	53.1
≥ 14000	35.9	46.6	48.8	50.5	51.9	52.4	52.8	53.2	53.3	53.4	53.5	53.5	53.6	53.6	53.7	53.7
≥ 12000	36.9	47.6	50.2	52.0	53.4	53.9	54.4	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.2	55.3
≥ 10000	38.7	50.8	53.3	55.2	56.7	57.3	57.8	58.2	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.7
≥ 9000	39.4	51.7	54.3	56.3	57.8	58.4	58.9	59.3	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.8
≥ 8000	41.0	54.3	57.1	59.1	60.7	61.3	61.8	62.2	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.8
≥ 7000	42.1	55.3	58.7	61.7	62.6	63.3	63.8	64.2	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8
≥ 6000	43.1	57.4	60.3	62.7	64.4	65.3	65.6	66.0	66.2	66.3	66.3	66.4	66.4	66.5	66.5	66.6
≥ 5000	44.4	59.4	62.4	64.9	66.7	67.4	67.9	68.4	68.5	68.7	68.7	68.7	68.8	68.8	68.9	69.0
≥ 4500	45.3	60.8	63.9	66.5	68.3	69.0	69.6	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.6	70.7
≥ 4000	46.8	63.1	66.5	69.2	71.2	71.9	72.6	73.0	73.2	73.3	73.4	73.4	73.5	73.5	73.6	73.7
≥ 3500	48.0	65.1	68.6	71.4	73.5	74.3	75.0	75.5	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.1
≥ 3000	49.6	67.5	71.1	74.2	76.5	77.3	78.0	78.6	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.2
≥ 2500	51.1	69.9	73.8	77.1	79.5	80.4	81.2	81.7	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.4
≥ 2000	52.5	72.3	76.4	79.9	82.5	83.5	84.3	84.9	85.2	85.3	85.4	85.5	85.6	85.6	85.6	85.7
≥ 1800	52.9	73.0	77.2	80.8	83.5	84.4	85.3	85.9	86.1	86.3	86.4	86.4	86.5	86.5	86.6	86.7
≥ 1500	53.8	74.9	79.3	83.1	86.0	87.1	88.0	88.7	88.9	89.2	89.3	89.3	89.4	89.4	89.5	89.6
≥ 1200	54.3	76.2	80.9	85.0	88.1	89.2	90.2	91.0	91.2	91.5	91.6	91.6	91.7	91.7	91.8	91.8
≥ 1000	54.5	77.0	81.9	86.2	89.6	90.8	91.9	92.7	93.0	93.2	93.4	93.4	93.5	93.6	93.6	93.7
≥ 900	54.6	77.3	82.4	86.8	90.4	91.6	92.8	93.7	94.0	94.3	94.4	94.4	94.6	94.6	94.6	94.7
≥ 800	54.7	77.7	82.8	87.4	91.2	92.5	93.8	94.7	95.0	95.4	95.5	95.6	95.7	95.7	95.8	95.9
≥ 700	54.7	77.9	83.1	87.8	91.8	93.2	94.5	95.6	95.9	96.3	96.5	96.5	96.6	96.7	96.7	96.8
≥ 600	54.7	78.0	83.3	88.1	92.2	93.7	95.2	96.3	96.7	97.0	97.3	97.3	97.5	97.5	97.5	97.6
≥ 500	54.7	78.1	83.4	88.3	92.6	94.2	95.7	97.0	97.4	97.9	98.1	98.2	98.4	98.4	98.5	98.6
≥ 400	54.7	78.1	83.4	88.4	92.6	94.3	95.9	97.3	97.8	98.3	98.6	98.6	98.9	98.9	99.0	99.1
≥ 300	54.8	78.1	83.4	88.4	92.7	94.3	96.0	97.4	98.0	98.5	98.9	98.9	99.2	99.3	99.4	99.5
≥ 200	54.8	78.1	83.4	88.4	92.7	94.4	96.0	97.4	98.0	98.6	99.0	99.1	99.4	99.5	99.6	99.7
≥ 100	54.8	78.1	83.4	88.4	92.7	94.4	96.0	97.4	98.0	98.6	99.0	99.1	99.4	99.5	99.6	99.9
≥ 0	54.8	78.1	83.4	88.4	92.7	94.4	96.0	97.4	98.0	98.6	99.0	99.1	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 87628

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

JAN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	30-02	15.4			12.1						11.1	61.4	7.5	928
	03-05	17.7			9.3						9.6	63.4	7.5	925
	06-08	15.3			10.7						9.2	64.0	7.6	928
	09-11	8.9			15.2						14.0	61.9	7.9	928
	12-14	9.2			15.3						14.9	60.6	7.9	926
	15-17	10.0			16.2						15.3	58.0	7.7	930
	18-20	12.2			17.6						12.2	58.1	7.4	930
	21-23	17.0			13.6						11.2	58.2	7.2	925
TOTALS		13.2			13.8						12.3	60.8	7.6	7420

SKY COVER

FEB
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	30.1			11.3						10.9	47.7	6.1	843
	03-05	27.9			11.8						8.3	52.0	6.3	845
	06-08	18.7			15.2						11.7	54.4	6.9	844
	09-11	9.5			19.6						14.7	56.2	7.5	843
	12-14	7.8			18.4						18.4	53.4	7.5	844
	15-17	10.1			16.7						20.8	52.4	7.6	843
	18-20	14.4			19.6						18.3	47.6	7.0	846
	21-23	22.7			18.0						14.5	44.8	6.3	846
TOTALS		17.9			16.3						14.7	51.1	6.9	6754

SKY COVER

MAR
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	24.7			12.1						12.7	50.5	6.6	924
	03-05	27.0			12.9						10.7	53.4	6.7	922
	06-08	12.9			19.2						13.8	55.1	7.3	925
	09-11	11.1			15.7						18.4	54.9	7.6	926
	12-14	8.9			16.3						19.6	55.2	7.8	930
	15-17	8.5			16.0						21.5	53.9	7.8	929
	18-20	9.8			20.5						18.3	51.4	7.4	930
	21-23	20.6			15.9						13.1	50.3	6.7	930
TOTALS		14.9			16.0						16.0	53.1	7.7	7416

SKY COVER

APR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	28.0			14.7						14.1	43.2	6.	899
	03-05	27.5			16.2						14.8	41.5	6.	897
	06-08	17.7			16.9						17.8	47.6	6.	898
	09-11	16.1			19.0						17.7	47.2	6.	900
	12-14	12.0			18.2						21.4	47.7	7.	898
	15-17	10.3			21.3						18.8	49.6	7.	900
	18-20	13.6			19.8						19.7	47.0	7.	900
	21-23	25.8			18.1						13.0	43.0	6.	899
TOTALS		19.0			18.0						17.2	45.9	6.	7191

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	26.9			17.4						15.2	38.6	5.7	922
	03-05	28.8			21.4						12.6	37.2	5.5	916
	06-08	19.0			23.4						17.0	40.6	6.3	916
	09-11	15.7			25.0						18.9	40.3	6.5	927
	12-14	7.4			26.0						24.7	41.8	7.2	930
	15-17	5.7			25.1						26.5	42.8	7.4	930
	18-20	10.0			26.6						19.6	43.8	6.9	929
	21-23	23.4			22.1						16.3	38.2	5.9	927
TOTALS		17.4			23.4						18.9	40.4	6.4	7397

SKY COVER

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	26.3			25.3						17.4	30.5	5.4	897
	03-05	22.3			26.2						17.9	33.5	5.8	886
	06-08	15.2			24.1						22.1	38.6	6.6	883
	09-11	12.6			26.8						25.4	35.2	6.6	896
	12-14	5.7			27.3						34.1	32.4	7.1	900
	15-17	4.7			30.3						28.9	36.1	7.1	900
	18-20	6.6			31.8						28.0	31.6	6.6	898
	21-23	19.8			28.4						20.6	31.1	5.8	897
TOTALS		14.5			27.6						24.3	33.6	6.4	7157

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13840

WRIGHT-PATTERSON AFB OH

68-70, 73-79

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	31.5			23.8						19.7	25.0	5.0	917
	03-05	27.0			27.7						17.9	27.4	5.2	899
	06-08	15.9			28.7						20.8	34.6	6.2	108
	09-11	12.2			31.0						21.2	35.5	6.4	923
	12-14	3.2			32.8						33.0	31.0	7.1	930
	15-17	1.7			34.4						34.5	29.4	7.1	930
	18-20	7.2			36.0						28.3	28.5	6.5	929
	21-23	21.5			31.4						22.7	24.4	5.4	924
TOTALS		15.0			30.7						24.8	29.5	6.1	7360

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

AUG

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	34.8			21.5						15.8	27.9	4.9	915
	03-05	30.4			24.1						15.6	29.9	5.1	905
	06-08	14.7			30.1						18.8	35.4	6.2	895
	09-11	13.5			31.5						21.4	33.6	6.2	920
	12-14	4.4			36.2						28.4	31.0	6.7	930
	15-17	3.7			37.9						28.1	30.4	6.7	929
	18-20	9.8			37.4						22.4	30.4	6.2	920
	21-23	25.0			30.2						19.3	24.6	5.1	915
TOTALS		17.2			31.1						21.2	30.5	5.9	7329

SKY COVER

239

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	36.5			27.6						14.1	28.7	4.8	887
	03-05	33.1			18.8						16.5	31.7	5.2	868
	06-08	20.3			24.4						21.1	34.3	6.1	864
	09-11	18.4			23.3						20.1	38.2	6.3	890
	12-14	10.3			30.3						24.3	35.0	6.6	900
	15-17	9.3			32.3						23.7	34.7	6.6	930
	18-20	16.2			31.4						21.4	31.0	6.0	899
	21-23	33.2			20.7						18.6	27.5	5.0	894
TOTALS		22.2			25.2						20.0	32.6	5.8	/102

USAFETA FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

CCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	35.0			17.1						11.9	35.9	5.2	916
	03-05	33.3			18.8						11.4	36.4	5.2	900
	06-08	21.6			24.3						16.3	37.7	6.0	901
	09-11	20.0			22.3						16.5	41.1	6.3	919
	12-14	16.1			25.2						21.2	37.5	6.4	930
	15-17	15.0			27.5						20.9	36.6	6.4	928
	18-20	22.3			26.8						16.7	34.3	5.7	930
	21-23	33.6			20.6						10.8	35.0	5.1	928
TOTALS		24.6			22.8						15.7	36.8	5.8	7352

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13840

WRIGHT-PATTERSON AFB OH

67-70, 73-78

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	19.2			11.9						12.5	56.4	7.1	889
	03-05	18.2			10.4						14.3	57.2	7.3	876
	06-08	15.1			11.6						13.5	59.8	7.5	880
	09-11	8.8			16.0						15.5	59.6	7.8	894
	12-14	6.8			16.3						18.7	57.2	8.0	898
	15-17	6.4			16.5						19.4	57.7	8.0	897
	18-20	15.6			14.9						13.0	56.5	7.3	899
	21-23	21.4			10.6						10.0	58.1	7.0	899
TOTALS		13.9			13.5						14.6	57.9	7.5	7132

SKY COVER

DEC

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	17.1			12.0						11.3	59.6	7.3	930
	03-05	19.8			11.2						8.6	60.4	7.2	930
	06-08	14.1			14.1						9.7	62.0	7.5	927
	09-11	6.6			16.6						15.9	60.9	8.0	928
	12-14	5.3			16.3						18.4	60.0	8.1	930
	15-17	5.7			14.9						18.7	60.7	8.2	929
	18-20	11.0			18.1						10.1	60.8	7.5	928
	21-23	15.4			11.1						12.0	61.5	7.6	925
TOTALS		11.9			14.3						13.1	60.7	7.7	7427

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

13840

WRIGHT-PATTERSON AFB OH

67-70, 73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	13.2			17.8						12.3	60.8	7.6	7420
FEB		17.9			16.3						14.7	51.1	6.9	6754
MAR		14.0			16.0						16.0	53.1	7.2	7416
APR		19.0			18.0						17.2	45.9	6.7	7191
MAY		17.4			23.4						18.9	40.4	6.4	7397
JUN		14.5			27.6						24.3	31.6	6.4	7157
JUL		15.0			30.7						24.8	29.5	6.1	7360
AUG		17.2			31.1						21.2	30.5	5.9	7529
SEP		22.2			25.2						20.0	32.6	5.8	7102
OCT		24.6			22.8						15.7	36.8	5.8	7352
NOV		13.9			13.5						14.6	57.9	7.5	7132
DEC		11.9			14.3						13.1	60.7	7.7	7427
TOTALS		16.8			21.1						17.7	44.4	6.7	87037

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (12 MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
 - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding $\pm 1^\circ$ from directly converted values but excludes no Fahrenheit values.

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_X). The number of observations used in the computation for each element is also shown.

- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures; and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables: DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

49-79

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100						.1	.2	.2	.2				.1
95					.1	1.1	3.5	2.3	1.2				.7
90					1.8	13.6	18.8	13.8	6.3				4.6
85				1.2	10.0	36.7	50.1	43.9	18.8	1.7			13.6
80			.3	6.4	25.8	61.1	80.8	73.3	39.3	8.8	.1		24.8
75			2.4	16.9	42.5	82.8	95.5	91.8	60.1	21.7	.8		34.7
70	.2	.5	7.0	28.7	61.1	93.4	99.5	98.8	79.3	36.6	6.1	.2	42.8
65	.9	1.7	13.8	42.2	78.7	98.1	100.0	100.0	93.2	53.2	13.8	1.6	50.0
60	4.1	5.8	24.1	58.0	89.5	99.2			97.4	71.3	25.9	6.5	57.0
55	8.7	11.3	34.4	72.9	95.8	100.0			99.4	84.5	39.0	12.7	63.5
50	15.4	19.6	46.8	83.1	98.7				99.9	92.7	52.6	20.9	69.3
45	24.9	31.3	60.3	92.1	99.7				100.0	98.1	68.1	32.6	75.8
40	36.0	46.3	74.4	98.2	100.0					99.1	81.1	47.1	82.0
35	51.4	65.4	87.7	99.7						100.0	92.1	65.7	88.6
30	67.5	78.3	96.0	99.9							97.4	82.9	93.6
25	78.8	87.1	98.4	100.0							98.9	91.8	96.3
20	89.7	93.0	99.9								99.9	96.3	98.3
15	95.3	98.2	100.0								100.0	98.8	99.4
10	98.0	99.8										99.7	99.8
5	99.4	99.9										100.0	99.9
0	99.8	100.0											100.0
-5	100.0												100.0
MEAN	35.5	38.9	49.2	62.0	72.2	81.3	84.4	83.2	76.7	65.4	50.7	39.8	51.6
S. D.	13.000	12.342	12.786	11.653	9.721	7.354	5.652	5.954	6.502	10.366	11.752	11.622	20.323
TOTAL OBS.	930	847	930	700	930	900	930	930	900	730	900	930	10957

USAF-ETAC FORM 0-21-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

49-79

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

[illegible]

USAF ETAC FORM 0-21-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

49-79

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

[illegible]

USAF ETAC FOR: 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13840 RIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									83	86	73	63	
50	72	64	77	76	86	91	89	89	86	82	80	56	91
51	62	63	67	92	89	93	93	102	89	90	68	68	102
52	66	57	70	82	91	98	102	95	92	88	73	65	102
53	64	60	74	78	92	99	96	98	99	88	70	63	99
54	58	70	67	83	87	96	101	95	102	84	70	56	102
55	62	65	70	80	87	88	97	98	94	79	73	60	98
56	57	63	70	80	87	94	97	95	89	82	73	70	97
57	58	70	71	84	86	94	98	94	94	76	66	60	98
58	51	64	56	82	86	90	90	89	90	79	77	57	90
59	60	64	74	79	89	94	92	94	93	87	75	65	94
60	63	57	73	87	84	87	91	92	96	84	70	62	96
61	55	69	70	78	82	92	92	89	90	78	76	63	92
62	61	65	76	86	92	93	90	99	88	81	64	64	99
63	53	54	79	81	88	93	91	93	88	88	67	57	93
64	61	55	71	82	91	93	95	100	96	80	74	65	100
65	63	62	63	77	89	91	98	96	90	79	70	63	98
66	55	59	74	77	84	94	96	87	87	75	68	67	96
67	70	62	78	83	87	92	90	91	87	85	61	67	92
68	55	61	79	77	81	95	94	93	85	83	77	56	95
69	57	52	73	84	91	92	93	91	90	82	60	48	93
70	60	58	61	85	87	93	96	92	91	84	69	67	96
71	57	62	72	80	84	101	91	91	89	85	73	70	101
72	65	70	72	80	87	88	94	95	89	74	69	64	95
73	61	56	76	79	78	89	90	91	92	81	69	63	92
74	61	59	78	80	85	87	91	87	83	77	72	56	91
75	63	60	70	74	87	91	94	93	86	83	79	67	94
76	52	74	81	87	86	93	99	90	86	77	60	54	99
77	33	67	81	85	96	92	97	91	93	70	73	58	97
78	49	31	77	78	87	93	93	88	90	75	70	61	92
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 44 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES
MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

49-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	57	59	71	75	87	90	91	92					
MEAN	58.7	61.1	72.4	80.7	87.1	92.5	94.0	93.0	90.2	81.4	70.6	61.8	96.0
S D	7.125	7.719	5.738	3.495	3.566	3.256	3.497	3.806	4.376	4.825	5.102	5.193	3.590
TOTAL OBS.	930	847	930	900	930	900	930	930	900	930	900	930	10957

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13840 WRIGHT-PATTERSON AFB OH

49-79

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49									35	30	22	9	
50	15	4	8	21	37	48	50	46	35	33	5	-6	-6
51	4	-11	18	31	42	47	54	49	34	31	17	-10	-11
52	8	18	19	29	38	48	53	47	41	20	16	11	8
53	9	13	16	25	44	46	53	50	41	33	24	1	1
54	8	13	16	26	34	45	55	51	42	30	24	10	8
55	-2	1	13	27	38	51	61	55	42	32	8	7	-2
56	5	16	15	30	37	47	57	50	36	33	11	20	5
57	-1	16	17	22	31	50	57	51	40	31	20	9	-1
58	8	-4	25	30	41	49	59	49	42	34	1	-7	-7
59	-7	5	17	33	36	50	58	56	36	32	12	13	-7
60	9	10	1	25	36	50	54	58	46	27	22	-4	-4
61	-8	5	22	23	32	46	56	55	40	27	20	2	-8
62	-7	3	10	27	41	50	52	50	34	20	23	-1	-7
63	-16	-5	11	29	30	47	50	51	35	30	25	-9	-16
64	-4	10	13	18	39	50	53	42	38	24	12	4	-4
65	-7	-4	14	21	41	50	53	42	38	23	21	17	-7
66	-8	4	16	26	26	40	50	51	42	26	17	0	-8
67	4	-1	6	26	33	48	50	48	36	26	19	9	-1
68	-7	1	11	29	33	54	52	48	45	29	26	7	-7
69	1	12	12	30	37	44	60	53	42	25	18	10	1
70	-9	-5	12	24	34	46	49	54	37	30	12	8	-9
71	1	-3	16	27	34	50	55	49	42	34	17	16	-3
72	-13	-2	13	18	37	40	46	47	41	24	21	1	-13
73	6	0	25	25	35	52	54	49	42	36	22	11	0
74	1	10	6	27	35	48	51	56	35	26	23	17	1
75	13	1	16	25	38	47	55	55	37	31	22	12	1
76	-2	3	20	25	35	56	55	45	41	22	12	-2	-2
77	-18	-8	20	27	37	48	55	51	44	28	17	0	-18
78	-5	-6	2	30	34	48	53	51	44	30	27	12	-6
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON 1 SS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

FROM DAILY OBSERVATIONS)

49-75

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	-4	-5	16	23	32	47	51	47					
MEAN	- .9	3.0	14.2	26.0	35.9	48.1	53.7	50.2	39.4	28.6	17.9	5.6	-4.2
S D	8.390	7.887	5.821	3.672	3.854	3.342	3.395	3.934	3.530	4.256	6.339	8.131	6.241
TOTAL OBS.	930	847	930	900	930	950	930	930	900	930	900	930	10957

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 1. IIGHT-PATTERSON AFB OH

68-70, 73-79

JAN

STATION

STATION NAME

YEARS

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
60/ 59		.3	.1																4	4				
58/ 57		.1	.5	.2															8	8	4			
56/ 55			.4	.2															6	6	3			
54/ 53		.4	.2	.1															7	7	6			
52/ 51		.4	.6	.1															11	11	11			
50/ 49		.3			.2														5	5	8			
48/ 47		.8	.1		.1	.1													10	10	7			
46/ 45		1.0	.4	.1															14	14	12			
44/ 43		1.2	.9	.1															20	20	11			
42/ 41		1.2	.8	.2															20	20	14			
40/ 39	.2	.2	.3	.2															13	13	23			
38/ 37	.1	2.3	.5	.3	.3														33	33	14			
36/ 35	.1	2.8	1.4	.5															45	45	34			
34/ 33	.9	2.9	2.0	.5	.1														60	60	41			
32/ 31	.6	2.3	1.7	.6															49	49	48			
30/ 29	.3	1.5	1.3	.5															34	34	56			
28/ 27	.1	4.6	1.6	.1															60	61	47			
26/ 25	.1	4.6	1.4	.1															58	59	52			
24/ 23		3.2	.9																38	38	68			
22/ 21	.1	1.9	.9																27	27	30			
20/ 19	.3	7.5	.9																81	81	54			
18/ 17	.5	3.8	.6																46	46	65			
16/ 15	.2	4.3	.3																45	45	48			
14/ 13	.2	4.1																	40	40	39			
12/ 11	.6	2.3	.3																30	30	46			
10/ 9	1.0	1.9	.2																29	29	30			
8/ 7	.6	3.4	.1																39	39	31			
6/ 5	.4	2.6																	28	28	35			
4/ 3	.5	.8																	12	12	22			
2/ 1	.2	1.5																	16	16	11			
0/ -1	1.2	.3																	14	14	20			
-2/ -3	.5	.5																	10	10	11			
-4/ -5	.4	.4																	8	8	8			
-6/ -7	.3	.2																	5	5	7			
Element (X)	Σ X'		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISI REVISI: 1 EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

JAN
MONTH

STATION

STATION NAME

YEARS

PAGE 1

1300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
58/ 57		.1	.3															4	4						
56/ 55		.1	.2															3	3	2	1				
54/ 53		.4	.1	.7														8	8	3	1				
52/ 51		.3	.4	.1														8	8	7	5				
50/ 49		1.2	.1	.2														14	14	9	8				
48/ 47		1.3	.3	.1														16	16	16	8				
46/ 45		.5	.6	.4														15	15	13	18				
44/ 43	.1	.9	.6															15	15	11	7				
42/ 41		1.3	.5	.1														18	18	20	11				
40/ 39	.2	.1	1.1															13	13	17	15				
38/ 37		1.9	.9	.1	.1													28	28	15	13				
36/ 35		3.2	1.7	.8														53	53	29	13				
34/ 33	1.0	2.8	1.2	.2														48	48	51	35				
32/ 31	.4	2.8	2.0	.6														55	55	47	32				
30/ 29	.4	1.6	1.2	.5														35	35	53	39				
28/ 27	.3	3.7	1.1															47	50	37	42				
26/ 25	.3	4.6	.9															54	54	50	25				
24/ 23		3.7	1.0															37	37	66	36				
22/ 21	.3	2.6	.2															29	29	26	38				
20/ 19	1.2	5.1	.6															64	64	58	54				
18/ 17	.1	4.5	.3															50	50	46	33				
16/ 15	.5	5.5	.5															61	61	55	52				
14/ 13	.1	4.2																40	40	52	54				
12/ 11	.3	2.8	.3															32	32	40	52				
10/ 9	.5	2.8																31	31	35	44				
8/ 7	1.6	2.0	.1															35	35	43	44				
6/ 5	.4	1.4																17	17	23	39				
4/ 3	.6	1.8																23	23	15	33				
2/ 1	.5	1.5																19	19	28	41				
0/ -1	1.7	.1																17	17	20	19				
-2/ -3	1.2	.5																16	16	14	18				
-4/ -5	.6	.3																9	9	10	15				
-6/ -7	.8	.2																9	9	10	9				
-8/ -9	.1																	1	1	2	7				
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

Temp. (F)	WE'Y BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-11/-11																						19											
-12/-13																						22											
-14/-15																						11											
-16/-17	.2																		3	3	5	4											
-18/-19																						3											
-20/-21																						4											
-22/-23																						2											
-24/-25																						1											
TOTAL	13.9	65.5	16.9	3.6	.1														927	930	927	927											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

66-77, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

3600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59		.1	.2															3	3		
58/ 57																				2	
56/ 55		.2																2	2	1	2
54/ 53		.4		.2														3	6	2	1
52/ 51		.3	.1															4	4	4	4
50/ 49		.3	.3															6	6	5	5
48/ 47		.6	.2	.1	.1													10	10	7	2
46/ 45		1.4	.3	.2														18	18	10	6
44/ 43	.1	1.4	.1		.1													16	16	13	13
42/ 41	.1	1.7	.3	.1														21	21	22	14
40/ 39	.2	1.2	1.3															25	25	25	16
38/ 37	.1	1.9	1.4	.2														34	34	20	17
36/ 35	.1	4.1	1.3	.5														56	56	38	17
34/ 33	.6	3.1	1.5	.5														54	54	54	25
32/ 31	.5	1.5	1.6															34	34	47	43
30/ 29	.1	2.7	1.2	.6														43	44	40	47
28/ 27	.9	3.3	.5															44	46	55	34
26/ 25		4.0	.5															42	42	55	34
24/ 23		3.6	.1															34	34	53	25
22/ 21	.4	3.2																34	34	32	40
20/ 19	1.3	4.9	.4															61	61	51	60
18/ 17	.6	3.9	.5															47	47	54	27
16/ 15	.2	4.2	.3															44	44	41	49
14/ 13	.5	4.7	.1															50	50	50	52
12/ 11	.9	3.8																43	43	50	40
10/ 9	.8	3.0																35	35	48	46
8/ 7	.6	1.8	.1															24	24	24	39
6/ 5	.8	2.0																26	26	26	52
4/ 3	1.4	1.2																24	24	30	34
2/ 1	.8	1.7																23	23	23	29
0/ -1	1.2	.9																19	19	17	24
-2/ -3	.9	.8																15	15	18	19
-4/ -5	.8	.5																12	12	14	18
-6/ -7	1.0	.1																10	10	13	11
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OLA) JUL 64
USAFETAC
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

[illegible]

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

FORM 11

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-5	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
62/ 61					.1													1	1													
60/ 59					.1													1	1													
58/ 57		.3	.2	.1	.1	.2												9	9													
56/ 55			.3	.2		.1												10	10	5	1											
54/ 53		.2	.1	1.0	.2	.1												15	15	2	4											
52/ 51			.4	.6	.6	.1												17	17	11	2											
50/ 49		.4	.2	.3	.2	.2												13	13	5	5											
48/ 47		.8	.2		.1	.2												12	12	19	7											
46/ 45		.4	.2	.5	.1	.3												15	15	10	5											
44/ 43		.3	.8	.9	.5	.3												26	26	16	20											
42/ 41	.1	1.6	1.4	.9	.3	.1												41	41	15	14											
40/ 39	.2	1.1	1.3	.3	.3													30	30	31	10											
38/ 37	.4	2.0	1.0	1.5	.1	.1												48	46	41	26											
36/ 35	.1	2.6	2.0	1.7	.2													62	62	51	31											
34/ 33	.3	3.1	1.4	.6	.1													52	52	45	28											
32/ 31	.2	2.2	2.6	1.3														58	58	71	50											
30/ 29		1.4	1.9	.6	.1													38	38	46	43											
28/ 27		3.2	1.8	.4														51	61	44	38											
26/ 25	.1	2.8	1.1	.5														42	42	58	28											
24/ 23		2.2	1.9															38	38	51	36											
22/ 21	.2	4.5	2.0															63	63	51	54											
20/ 19	.1	5.7	1.9	.1														73	73	59	49											
18/ 17	.2	2.5	1.3															37	37	77	48											
16/ 15		2.9	1.2															38	38	36	50											
14/ 13	.1	2.5	.9															32	32	37	50											
12/ 11		2.0	.6															25	25	27	54											
10/ 9		2.0	.3															22	22	29	45											
8/ 7		2.4																22	22	26	42											
6/ 5		1.5																14	14	26	34											
4/ 3		.8																7	7	8	17											
2/ 1		.2																2	2	7	27											
0/ -1	.3																	3	3	4	16											
-2/ -3																																

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 JAN
MONTH
1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
62/ 61			.1	.1	.2													4	4						
60/ 59		.2	.2	.3	.1	.2												10	10						
58/ 57		.1	.1	.4														6	6	3					
56/ 55		.2	.1	.2	.2													7	7	7	4				
54/ 53		.1	.3	.4	.3	.4												15	15	8	3				
52/ 51		.4	.5	.4	.3	.3												19	19	5	7				
50/ 49		.1	.1	.3		.1												6	6	10	1				
48/ 47		.4	.2	.1	.2	.1	.4											14	14	15	12				
46/ 45		.9	.2	1.4	.3	.2	.2											30	30	12	10				
44/ 43		1.2	.4	.9	.3	.2												31	31	21	8				
42/ 41		.9	2.3	.4	.6													39	39	16	17				
40/ 39	.2	.2	.5	.9	.1													18	18	34	15				
38/ 37	.5	1.6	1.4	1.3	.4	.3												52	52	39	22				
36/ 35	.1	1.7	2.6	1.4														54	54	37	20				
34/ 33	.4	2.0	2.5	1.1	.1													57	57	64	30				
32/ 31	.3	3.1	2.0	1.2	.1													63	63	55	39				
30/ 29		1.4	1.1	.9														31	31	68	41				
28/ 27	.1	3.7	2.0	1.1	.1													59	59	40	43				
26/ 25	.1	4.2	2.6	.3														67	67	54	32				
24/ 23		2.8	2.9	.3														56	56	63	47				
22/ 21		2.9	2.3	.1														49	49	71	40				
20/ 19	.4	4.0	1.5															55	55	52	53				
18/ 17		2.6	2.4															46	46	68	57				
16/ 15		1.9	.6															24	24	35	53				
14/ 13		1.5	1.4															27	27	36	46				
12/ 11		2.5	.8															30	30	20	49				
10/ 9		1.2	.6															17	17	34	51				
8/ 7		1.4	.1															14	14	16	37				
6/ 5		.9																8	8	22	25				
4/ 3		.8																7	7	9	25				
2/ 1																				1	25				
0/ -1	.6	.1																7	7	6	16				
-2/ -3	.1	.4																5	5	5	28				
-4/ -5		.2																2	2	2	17				
Element (X)	Σ x ²			Σ x			x̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13847 WRIGHT-PATTERSON AFB OH

68-70, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61			.3																3	3				
60/ 59		.1	.4																5	5				
58/ 57			.3	.3	.1														7	7	5			
56/ 55			.3	.1															4	4	4	5		
54/ 53		.2		.2	.2														6	6	3			
52/ 51		.5	.5	.2	.1														14	14	3	8		
50/ 49		.1	.5		.2	.1	.1												9	9	9	2		
48/ 47		.3	.5	.1	.1														10	10	8	13		
46/ 45		.9	.3	.1															14	14	10	3		
44/ 43	.1	1.2	1.2	.3	.2														28	28	23	15		
42/ 41		1.4	1.4	.5	.5	.2													38	38	17	13		
40/ 39			1.4	.4	.8														26	28	27	18		
38/ 37	.1	1.3	1.0	.8															29	29	25	18		
36/ 35	.6	1.0	2.5	1.1															57	57	37	20		
34/ 33	.3	2.3	1.9	1.4	.1														56	56	43	26		
32/ 31	.3	1.9	1.6	.8															43	43	63	38		
30/ 29	.5	2.7	2.0	.6															55	55	54	35		
28/ 27	.3	3.1	1.6	.4															51	51	53	44		
26/ 25	.1	3.3	2.5	.2															57	57	55	31		
24/ 23	.1	1.8	1.6	.2															35	35	53	47		
22/ 21		4.8	2.4																67	67	64	47		
20/ 19	.2	6.0	1.8																75	75	49	60		
18/ 17	.1	4.1	.4																43	43	84	45		
16/ 15		2.8	1.2																37	37	46	46		
14/ 13		3.2	.6																36	36	33	53		
12/ 11		3.4	.5																37	37	38	46		
10/ 9		1.9	.2																20	20	36	54		
8/ 7		1.8	.2																19	19	16	51		
6/ 5		1.3																	12	12	23	30		
4/ 3		.6																	6	6	13	22		
2/ 1		1.2																	11	11	9	50		
0/ -1	.1	.4																	5	5	6	23		
-2/ -3		1.0																	9	9	9	6		
-4/ -5		.1																	1	1	4	32		
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								
Mean No. of Hours with Temperature																								
		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total										

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1800-2000

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840

WRIGHT-PATTERSON AFB OH

68-70, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
60/ 59		.3	.3															6	6				
58/ 57		.3	.2	.1														6	6	3			
56/ 55		.2	.4	.2	.1													9	9	6	3		
54/ 53		.2		.1														3	3	6	6		
52/ 51		.4	.9															12	12	6	3		
50/ 49					.3													3	3	11	8		
48/ 47		.3	.4	.3	.1	.2												18	18	6	5		
46/ 45		.4	.2															6	6	8	14		
44/ 43	.3	.9	1.1	.3														24	24	14	12		
42/ 41		1.4	1.0	.3														25	25	16	5		
40/ 39	.1	.3	1.1	.3	.3													20	20	25	11		
38/ 37		2.5	1.0	1.0	2													43	43	22	17		
36/ 35	.6	1.9	1.7	1.1														50	50	40	23		
34/ 33	.4	2.0	1.6	.3														41	41	38	28		
32/ 31	.6	2.2	1.9	.3														51	51	54	47		
30/ 29	.3	2.6	1.9	.5														50	50	47	27		
28/ 27		4.3	1.8	.1														58	58	46	28		
26/ 25	.1	4.0	.9	.5														51	51	74	34		
24/ 23		1.8	2.4	.1														40	40	48	42		
22/ 21	.8	3.9	1.4	.1														55	55	52	42		
20/ 19	.1	5.3	1.3	.1														63	63	52	61		
18/ 17	.1	4.4	.5															47	47	66	47		
16/ 15	.1	3.5	.3															37	37	50	54		
14/ 13	.3	4.0	.4															44	44	37	42		
12/ 11	1.0	3.8	.1															45	45	50	51		
10/ 9	.4	2.4																26	26	46	54		
8/ 7	.3	2.8	.1															30	30	19	49		
6/ 5		1.9																18	18	26	36		
4/ 3		1.2																11	11	17	31		
2/ 1		1.6																15	15	17	41		
0/ -1	.1	.2																3	3	6	20		
-2/ -3	.2	.9																10	10	5	8		
-4/ -5	.4	.3																7	7	14	19		
-6/ -7																					11		
Element (X)	ΣX ²		ΣX		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

GE ? 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1

0000-0200
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61				.1														1	1					
60/ 59		.1		.4														4	4					
58/ 57			.1	.1														2	2	1				
56/ 55			.1	.1		.2	.2											6	6	2	1			
54/ 53		.1	.4	.2	.1	.6												12	12	4	1			
52/ 51		.4	.4	.1	.1	.2												10	10	4	1			
50/ 49		.6	.4	.1	.1	.1												11	11	10	10			
48/ 47		.1		.5	.2	.6												12	12	6	5			
46/ 45		.1	.2	.7														9	9	9	6			
44/ 43		.4	1.2	.6	.2													20	20	12	4			
42/ 41	.1	.4	.8	.4	.1													15	15	17	5			
40/ 39	.1	1.1	.6	.7														21	21	22	3			
38/ 37	.1	2.0	1.1	.5	.4													34	34	24	18			
36/ 35		3.1	.7	.6	.2													39	39	32	20			
34/ 33	.1	2.8	3.0	1.8														65	65	44	29			
32/ 31		2.7	3.7	.2														56	56	40	52			
30/ 29	.4	3.4	4.3	.1														69	69	60	23			
28/ 27	.1	4.5	3.1															65	65	78	31			
26/ 25	.1	4.0	1.7															49	49	81	43			
24/ 23	.4	3.5	.6															38	38	59	42			
22/ 21	1.1	3.4	.5															42	42	47	74			
20/ 19	.5	5.2	.2															50	50	35	83			
18/ 17	.5	4.3	.4															43	43	56	42			
16/ 15	.1	2.8	.2															27	27	32	64			
14/ 13	.1	2.5	.4															25	25	28	50			
12/ 11	.4	2.0	.1															21	21	27	44			
10/ 9	.6	2.2																24	24	22	26			
8/ 7	.6	1.3																16	16	26	32			
6/ 5	.6	1.7																19	19	23	16			
4/ 3	.2	1.2																12	12	12	14			
2/ 1	.6	1.1																14	14	15	31			
0/ -1	.8																	7	7	10	15			
-2/ -3	.2	.5																6	6	4	20			
-4/ -5	.1	.1																2	2	4	17			
Element (X)	Σ X ²			Σ X		X̄		s _x		No. Obs		Mean No. of Hours with Temperature												
el. Num.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC FORM 48-64

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

0000-0260
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	>31	Dry Bulb	Wet Bulb		Dew Point		
55/ 55			.4	.1		.2														6	6			
54/ 53		.4	.5	.6		.4														15	15	1		
52/ 51		.4	.6	.1	.4	.2														14	14	7	2	
50/ 49			.1	.2	.1	.4														7	7	10	7	
48/ 47			.1		.1															2	2	6	4	
46/ 45		.4	.1	.2	.4															9	9	6	7	
44/ 43		.7	.8		.4															16	16	12	4	
42/ 41		.7	.9	.2	.1															17	17	13	8	
40/ 39	.2	.6	.9	.4	.2															20	20	20	7	
38/ 37		1.8	.3	.7	.1															29	29	22	14	
36/ 35	.2	2.2	1.2	.5																36	36	29	10	
34/ 33	.2	3.5	2.7	.5																60	60	35	32	
32/ 31	.2	4.1	3.3	.2																67	67	52	41	
30/ 29	.6	3.1	3.2																	56	56	79	30	
28/ 27	.2	5.1	1.8																	60	60	56	38	
26/ 25	.2	4.5	1.5																	53	53	67	45	
24/ 23		3.9	.6																	38	38	51	48	
22/ 21	1.1	2.5	.1																	31	31	53	57	
20/ 19	1.2	5.0	.1																	53	53	40	80	
18/ 17	.6	4.6																		44	44	43	49	
16/ 15	.7	4.1																		41	41	45	50	
14/ 13	.1	3.2	.5																	32	32	29	57	
12/ 11	.6	2.1																		23	23	38	37	
10/ 9	.4	2.0																		20	20	21	29	
8/ 7		1.5																		13	13	21	37	
6/ 5	.5	1.1																		13	13	15	12	
4/ 3	.9	1.4																		20	20	17	18	
2/ 1	1.2	1.3																		21	21	22	26	
0/ -1	2.5	.2																		19	19	21	18	
-2/ -3	.5																			4	4	6	29	
-4/ -5	.5	.1																		5	5	5	17	
-6/ -7	.2																			2	2	2	12	
-8/ -9																							14	
-10/-11																							9	
Element (%)	Σx ²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

13840 AIRPORT-PATTERSON AFB OH

68-70, 73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
56/ 55		.4		.1														4	4						
54/ 53			.8		.2	.2												11	11	3	1				
52/ 51		.6	.6		.9	.1												19	19	1	2				
50/ 49		.1	.4	.1	.4													8	8	12	2				
48/ 47		.1		.2	.1	.1												5	5	6	7				
46/ 45		.1		.2	.4													6	6	8	6				
44/ 43	.4	.4	.4	.1	.2													11	11	15	9				
42/ 41		.4	.6	.4	.1													12	12	8	3				
40/ 39	.2	1.4	1.1	.4														26	26	13	3				
38/ 37	.1	.6	1.1	.8														22	22	25	11				
36/ 35		3.1	1.5	.2														41	41	16	18				
34/ 33	.2	2.2	3.3	.7														55	55	46	21				
32/ 31	.5	4.1	3.1															65	65	48	38				
30/ 29	.2	3.9	1.9	.1														52	52	79	31				
28/ 27	.2		2.1															58	58	55	47				
26/ 25	.1	3.9	1.5															47	47	57	56				
24/ 23	.6	3.3	.1															34	34	60	44				
22/ 21	1.8	4.0	.5															53	53	47	51				
20/ 19	1.8	3.0																40	40	48	72				
18/ 17	.7	4.0	.1															41	41	42	49				
16/ 15	.8	2.4	.2															29	29	31	52				
14/ 13	.8	3.5																37	37	30	48				
12/ 11	1.1	3.1	.2															37	37	41	32				
10/ 9	.9	2.4																28	28	44	40				
8/ 7	.1	1.3																12	12	9	27				
6/ 5	.5	.8																11	11	19	18				
4/ 3	.6	1.5																18	18	17	21				
2/ 1	2.1	.2																25	25	25	29				
0/ -1	2.2																	19	19	21	22				
-2/ -3	1.3																	11	11	11	22				
-4/ -5	.6																	5	5	5	22				
-6/ -7	.4																	3	3	3	8				
-8/ -9	.1																	1	1	1	17				
-10/-11																					11				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

68-72, 73-79.

FEB
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.1									1	1		
72/ 71									.1									1	1		
70/ 69								.1										1	1		
68/ 67									.1									1	1		
66/ 65					.1	.1	.2	.4										7	7		
64/ 63					.1		.1	.1	.1									4	4		
62/ 61				.1		.2	.1	.2										6	6		
60/ 59			.6	.4	.1	.1	.2	.1										13	13		
58/ 57			.1	.4	.2	.1	.1	.1										9	9	3	
56/ 55		.6	.2	.2	.2	.5	.2											15	15	11	
54/ 53				.4		.5	.2	.1										10	10	11	7
52/ 51	.1		.2	.2	.2	.9	.4											18	18	10	5
50/ 49			.2	.2	.4	.6	.1	.2										16	16	10	5
48/ 47		.2	.1	.4	1.1	.4	.5											22	22	11	4
46/ 45		.1	.4	.9	.6	.7	.2											25	25	13	7
44/ 43			.4	.2	.4	.8	.1											16	16	20	11
42/ 41		1.4	.2	.8	1.7	.0												42	42	24	8
40/ 39	.1	.9	1.3	1.4	1.1	.4	.1											45	45	36	10
38/ 37		2.0	2.1	2.0	1.4	.5												68	68	20	24
36/ 35		1.2	3.6	1.4	.6													63	63	58	18
34/ 33		2.7	2.7	1.9	.5	.1												67	67	78	21
32/ 31		1.9	2.0	1.1														42	42	82	54
30/ 29		1.8	1.4	.9	.1	.1												37	37	65	45
28/ 27	.1	2.0	1.8	.9														41	42	54	56
26/ 25		1.8	2.8	.4	.1													43	43	42	46
24/ 23	.1	2.6	2.3	.5														46	46	46	46
22/ 21		2.7	2.1															41	41	55	52
20/ 19	.2	2.7	.6	.1														31	31	43	56
18/ 17		3.0	1.2	.2														37	37	42	45
16/ 15	.2	2.6	.7															30	30	35	52
14/ 13	.1	1.5	.2															16	16	29	59
12/ 11	.1	1.2																11	12	18	47
10/ 9	.1	.9																9	9	13	37
8/ 7		.7																6	6	8	34
Element (X)	Σ X ²			Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

YEARS

FFB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
6/-5		.2																2	2	4	22										
4/-3		.1																1	1	2	24										
2/-1																					17										
0/-1																					11										
-2/-3																					8										
-4/-5																					3										
-6/-7																					4										
-8/-9																					4										
-10/-11																					1										
TOTAL	1.3	35.8	27.2	15.2	9.0	6.9	2.7	1.4	.5										843		843										
																		843													
Element (X)	Zx ²	Zx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature							Total																		
Rel. Hum.	3510304	52620	62.4	16.375	843	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
Dry Bulb	1065554	28036	33.2	12.664	845		39.3	.4	.1				84																		
Wet Bulb	805622	24440	29.0	10.737	843		53.6						54																		
Dew Point	484443	17521	20.8	1.952	843	3.1	72.0						44																		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 RIGHT-PATTERSON AFB OH
STATION STATION NAME

65-70, 73-79
YEARS

FER
MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.1	.2								3	3		
68/ 67								.4	.2	.2								7	7		
66/ 65					.1	.2	.1	.1	.4									8	8		
64/ 63				.2	.1	.1	.1	.2										7	7		
62/ 61				.2	.2													4	4		
60/ 59			.1			.2	.1	.1										5	5		
58/ 57			.2	.4	.4	.2	.1	.5										15	15	6	
56/ 55		.4		.5		.7		.4										16	16	7	
54/ 53		.2		.4	.1	.6	.9											19	19	14	7
52/ 51				.2	.2	.9	.1	.2										14	14	8	5
50/ 49			.2	.4	.6	.8		.4										20	20	16	4
48/ 47		.2	.2	.5	.7	.1	.9											23	23	7	3
46/ 45		.1	1.1	.2	.4	1.3	.2											28	28	17	8
44/ 43		.1	.2	.4	1.3	.8	.5											28	28	18	10
42/ 41		1.4	.9	.2	2.5	.8												50	50	47	11
40/ 39	.4	1.3	.8	.7	2.0	.4												47	47	22	23
38/ 37		.8	1.9	1.9	.7	.5												49	49	32	15
36/ 35		1.7	3.0	3.4	.7													74	74	55	26
34/ 33	.4	2.0	2.6	1.4	.4													57	57	83	31
32/ 31	.2	2.1	1.9	.5	.2	.4												45	45	71	35
30/ 29		2.7	2.2	.6	.2													49	49	75	42
28/ 27		1.8	2.6	.9	.2													47	47	58	53
26/ 25		1.9	2.0	.4														36	36	42	41
24/ 23	.4	1.7	3.0															42	42	51	45
22/ 21	.4	1.5	2.1	.4														37	37	51	64
20/ 19	.2	3.3	1.9	.1														47	47	59	56
18/ 17	.2	1.2	1.5															25	25	36	66
16/ 15		1.5	.7															19	19	25	54
14/ 13		1.2																10	10	26	40
12/ 11	.2	.8	.2															11	11	13	47
10/ 9		.1																1	1	7	45
8/ 7																				3	40
6/ 5		.2																2	2	1	13
4/ 3		.1																1	1	1	18
Element (X)	Σ X ²		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 026-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1384) RIGHT-PATTERSON AFB OH

68-70, 73-79

FES

STATION

STATION NAME

YEARS

MONTH

PA. E 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67								.1										1	1					
66/ 65							.2											2	2					
64/ 63					.1		.2	.2	.1									6	6					
62/ 61				.2	.2		.1	.1										6	6					
60/ 59			.1	.5		.2	.1	.1										9	9					
58/ 57				.5		.1	.4	.1										9	9					
56/ 55		.1		.4		.2	.1											7	7	8				
54/ 53		.2	.2	.1	.1	.2	.1											9	9	9	2			
52/ 51		.1	.1	.5	.6	.1	.1											13	13	9	5			
50/ 49		.2	.1	.1	.6	.6												14	14	9	5			
48/ 47	.1	.4	.1	.4	.2													16	16	11	4			
46/ 45			.5	1.7	.5		.1											23	23	16	12			
44/ 43		.2	.7	.5	.5	.5												20	20	6	6			
42/ 41		.7	.7	.4	1.2	.1												26	26	26	7			
40/ 39	.6	2.0	.6	1.2	1.2	.4												50	50	40	14			
38/ 37		1.4	.8	1.7	.6	.1												39	39	34	19			
36/ 35		2.1	1.7	2.5	.8													60	60	29	22			
34/ 33		1.9	4.7	3.0	.4													84	84	48	41			
32/ 31	.2	2.8	4.6	2.0														82	82	64	34			
30/ 29		2.5	2.6	.6														48	48	97	32			
28/ 27	.2	1.9	2.1	.5	.1													41	41	89	34			
26/ 25	.4	1.7	1.4	.4														32	32	54	47			
24/ 23	.4	2.1	.8	.4														31	31	39	61			
22/ 21	.2	2.8	2.6	.1														49	49	35	74			
20/ 19		5.3	1.3	.1														57	57	47	50			
18/ 17		2.8	.5															28	28	63	69			
16/ 15	.2	2.2	1.1															30	30	31	45			
14/ 13	.1	1.9																17	17	25	45			
12/ 11		1.3	.1															12	12	20	55			
10/ 9	.1	1.9																17	17	15	46			
8/ 7	.1	.2																3	3	15	32			
6/ 5		.1																1	1	3	14			
4/ 3	.1																	1	1	1	15			
2/ 1		.4																3	3	1	21			
Element (X)	Σx^2			Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
U/-1																					2	11										
-2/-3																						6										
-4/-5																						12										
-6/-7																						4										
-8/-9																						2										
TOTAL	2.8	39.5	27.5	17.4	7.6	2.3	1.5	.7	.1											846		846										
																		846		846												
Element (X)	Z _x ²	Z _X	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature							Total																			
Rel. Hum.	3756530	54956	65.0	14.860	846	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb	966310	26736	31.6	11.985	846		44.9	.1				84																				
Wet Bulb	753745	23649	28.0	10.472	846	.2	59.7					84																				
Dew Point	470640	17332	20.5	11.694	846	3.5	70.4					84																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17840 WRIGHT-PATTERSON AFB OH

68-70,73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
64/ 63					.1													1	1			
62/ 61				.2														2	2			
60/ 59		.1		.5		.1												6	6			
58/ 57		.2		.5	.2		.1											12	12	2		
56/ 55			.1	.4		.2												6	6	4	3	
54/ 53			.4		.1	.2												6	6	5		
52/ 51			.1	.1	.1	.1	.1											5	5	8	3	
50/ 49		.6	.6	.2	.2	.5	.2											20	20	5	4	
48/ 47		.2	.1	.4	.5													10	10	10	12	
46/ 45	.1	.1	.6	.9	.4													18	18	14	8	
44/ 43	.2		.7	.6	.1													14	14	9	9	
42/ 41		.4	.6	.2	.6													15	15	18	3	
40/ 39	.1	1.8	.8	.8	.6													35	35	26	4	
38/ 37		2.0	.4	.7	.4													29	29	31	20	
36/ 35	.2	3.1	2.1	1.4														58	58	27	15	
34/ 33	.1	1.7	2.7	1.7														52	52	44	36	
32/ 31		2.7	5.6	1.3														91	81	51	34	
30/ 29	.1	5.6	4.8															89	89	67	33	
28/ 27	.7	3.4	2.2															54	54	119	42	
26/ 25		2.7	1.8															38	38	69	46	
24/ 23	.1	3.0	.9															34	34	43	65	
22/ 21	.1	3.8	.6															38	38	41	65	
20/ 19	.2	4.0	1.1	.2														47	47	34	69	
18/ 17		3.4	.5															33	33	43	67	
16/ 15	.1	3.2	.4															31	31	42	46	
14/ 13	.1	3.0	.1															27	27	26	45	
12/ 11	.7	2.1																24	24	31	47	
10/ 9	.5	1.8																19	19	25	28	
8/ 7	.2	1.8																17	17	17	30	
6/ 5	.1	.8																8	8	16	21	
4/ 3		.8																7	7	8	17	
2/ 1	.4	.2																5	5	6	22	
0/ -1	.5	.1																5	5	4	18	
-2/ -3																				1	16	
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

JAN 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13640 WRIGHT-PATTERSON AFB OH

63-70, 73-79

FEB
MONTH

PAGE 1

ALL
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
74/ 73									.0	.0								4	4		
72/ 71									.0									1	1		
70/ 69									.0									1	1		
68/ 67								.1	.0	.0								10	10		
66/ 65					.0	.0	.1	.1	.0									17	17		
64/ 63				.0	.1	.0	.1	.1	.0									18	18		
62/ 61				.1	.1	.0	.0	.0										25	25		
60/ 59		.0	.1	.2	.0	.1	.1	.0										46	40		
58/ 57		.0	.1	.2	.1	.1	.1	.1										53	53	12	
56/ 55		.2	.1	.3	.0	.3	.1	.0										72	72	32	4
54/ 53		.1	.3	.3	.2	.4	.2	.0										97	97	53	19
52/ 51	.0	.2	.3	.2	.3	.3	.1	.0										98	98	53	26
50/ 49	.0	.2	.3	.2	.4	.4	.0	.1										111	111	82	42
48/ 47	.0	.2	.1	.3	.5	.2	.2											100	100	68	43
46/ 45	.0	.1	.4	.7	.3	.3	.1											132	132	97	61
44/ 43	.1	.3	.6	.4	.5	.3	.1											145	145	101	60
42/ 41	.0	.7	.7	.5	.8	.2												197	197	169	49
40/ 39	.3	1.3	.9	.9	.7	.1	.0											275	275	204	74
38/ 37	.0	1.5	1.3	1.1	.5	.1												310	310	216	144
36/ 35	.1	2.4	2.0	1.5	.3													426	426	279	146
34/ 33	.1	2.7	3.1	1.5	.1	.0												514	514	431	232
32/ 31	.2	2.9	3.4	.7	.0	.0												490	490	481	330
30/ 29	.2	3.3	2.9	.4	.1	.0												467	467	600	286
28/ 27	.2	3.3	2.2	.3	.0													413	414	569	352
26/ 25	.1	2.6	1.6	.1	.0													334	334	471	380
24/ 23	.3	2.8	1.1	.1														298	298	393	393
22/ 21	.7	3.0	1.3	.1														337	337	371	496
20/ 19	.5	4.0	.7	.1														363	363	338	529
18/ 17	.3	3.3	.6	.0														281	282	366	429
16/ 15	.3	2.8	.5															277	278	399	
14/ 13	.2	2.4	.2															156	157	216	388
12/ 11	.4	1.7	.1															142	142	170	293
10/ 9	.4	1.7																88	88	123	262
8/ 7	.2	1.1																			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

МАД

MONTH

3000-0200

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

69-70, 73-79
YEARS

MAR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71							.1											1	1					
70/ 69					.1													1	1					
68/ 67					.3													3	3					
66/ 65		.2		.2	.1	.3												8	8					
64/ 63		.1		.2	.3	.1												7	7	2				
62/ 61		.3		.2	.4	.5												14	14	4	2			
60/ 59		.3	1.1	.6	.2	.3	.1											25	25	8	1			
58/ 57		.8	1.0	.3	.4		.2											25	25	15	6			
56/ 55		.8	.6	.5	.1													19	19	21	11			
54/ 53		1.0	.1	.1	.3		.2	.1										17	17	23	14			
52/ 51		1.9	.9	.2		.2												30	30	25	26			
50/ 49	.5	1.3	1.8	.4	.3	.1												42	42	34	39			
48/ 47	.1	1.6	.8	.3	.8	.1												34	34	28	25			
46/ 45	.2	.9	1.1	.4	.2													26	26	32	17			
44/ 43	.4	1.7	.8	1.3	.4													43	43	35	37			
42/ 41	.4	.6	1.3	1.2	.4													37	37	30	38			
40/ 39	.2	1.1	1.1	.4	.4	.3												33	33	38	23			
38/ 37	.4	3.2	1.2	.3	.3													51	51	40	21			
36/ 35	.3	4.3	2.7	1.0														77	77	57	29			
34/ 33	.5	3.3	3.6	.9														77	77	68	44			
32/ 31	.2	3.7	3.6	.6														75	75	79	66			
30/ 29	.4	3.3	1.7															51	51	78	67			
28/ 27	.4	4.5	1.4	.1														60	60	75	42			
26/ 25	.1	4.2	1.5															54	54	56	56			
24/ 23	1.3	1.5	.8															33	33	60	63			
22/ 21	.9	1.2	.8															26	26	36	69			
20/ 19	.3	1.8	.2															2	22	26	76			
18/ 17	.1	1.3	.1															14	14	22	41			
16/ 15	.1	1.0																10	10	11	30			
14/ 13	.2	.4																6	6	11	30			
12/ 11																				2	16			
10/ 9																					18			
8/ 7		.6																6	6	2	9			
6/ 5		.3																3	3	7	4			
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 C300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17841 AIRIGHT-PATTERSON AFB OH

53-70,73-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73						.2												2	2						
72/ 71				.1	.2		.1											4	4						
70/ 69				.1	.5	.2		.2										11	11						
68/ 67				.4	.2	.3	.1			.1								17	17						
66/ 65			.3	.4	.3	.4	.3	.1	.2	.1								21	21	1					
64/ 63		.1	.1	.4	.1	.3	.2	.2										14	14	8					
62/ 61			.2	.5	.3	.2	.4	.1	.1	.1								19	19	13	2				
60/ 59		.1	1.1	.5	.3	.5	.4	.1										29	29	18	8				
58/ 57		.6	.2	.4	.5	.2	.2	.2	.1									24	24	19	12				
56/ 55		.8	.5	.5	.5	.4	.3	.1										30	30	24	15				
54/ 53	.3	.6	.8	.3	.4	.5	.2	.2										32	32	28	28				
52/ 51		1.2	.5	.4	1.0	.4	.1											34	34	30	22				
50/ 49		1.4	.9	.8	.8	.6	.3											44	44	41	23				
48/ 47		1.3	.5	1.0	.8	.6	.1											40	40	28	29				
46/ 45	.4	.6	1.3	1.3	.6	.1	.3											44	44	43	27				
44/ 43		1.1	.9	1.8	1.3													47	47	34	25				
42/ 41		.5	2.2	1.6	1.0	.2												51	51	51	28				
40/ 39	.3	.6	1.8	2.3	.4	.1												52	52	41	27				
38/ 37	.3	1.0	2.3	2.2	.4													57	57	66	33				
36/ 35	.5	2.3	2.8	1.2	.4													67	67	64	40				
34/ 33	.2	2.8	2.6	1.6	.1													68	68	77	59				
32/ 31	.2	1.9	3.9	1.1														66	66	77	71				
30/ 29		1.9	2.9	.2	.2													49	49	64	51				
28/ 27		1.5	1.2	.3														28	28	67	62				
26/ 25		1.5	1.2	.2														27	27	44	61				
24/ 23		.9	.5															13	13	28	61				
22/ 21	.2	.8	.5															14	14	24	61				
20/ 19	.2	.5	.3															10	10	13	46				
18/ 17		.5	.1															6	6	13	36				
16/ 15		.4																4	4	4	32				
14/ 13		.3																3	3	4	21				
12/ 11	.1	.1																2	2	4	12				
10/ 9																				1	12				
8/ 7		.1																1	1	1	10				
Element (X)	ΣX ²			ΣX			̄X	σ _x	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

MAR
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR

MONTH

1200-1400

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
81/ 79								.2		.1								3	3															
78/ 77							.4	.1	.1		.1							7	7															
76/ 75						.1	.1	.4	.2		.2							10	10															
74/ 73					.4	.4	.4	.3	.1		.2							18	18															
72/ 71				.2	.4	.4	.5	.1	.2	.4	.1							23	23															
70/ 69				.3	.1	.6	.2	.2	.1	.4								19	19															
68/ 67			.1		.3	.3	.2	.2	.5	.2	.1							25	25	2														
66/ 65				.1	.4	.6	.5	.1	.5		.1							25	25	14														
64/ 63			.2	.4	.3	.3	.4	.5	.3	.1	.3							28	28	15														
62/ 61			.5	.3	.2	.5	.3	.3		.1								22	22	13	?													
60/ 59			.6	.1	.5	.3	.4	.2	.4	.1								26	26	26	10													
58/ 57			1.0	.5	.2	.8	.6	.2	.1									32	32	23	14													
56/ 55	.1	.8	.3	.4	.5	1.0	.6	.2		.1								40	40	29	16													
54/ 53	.2	.4	.2	.5	.9	.9	.3		.1									33	33	49	18													
52/ 51		.6	.5	.4	1.0	.8	.5	.3	.1									40	40	27	40													
50/ 49	.2		.6	1.0	.5	1.2	.5	.1										48	48	39	20													
48/ 47	.2	.9	.2	.9	.9	.8	.3											38	38	39	19													
46/ 45		.4	.6	1.3	1.7	1.0												47	47	47	28													
44/ 43		1.0	.5	1.7	1.2	1.0												50	50	49	28													
42/ 41		1.1	.4	2.5	1.5	.9												59	59	50	24													
40/ 39	.3	1.3	2.0	2.4	1.6	.2												73	73	54	36													
38/ 37	.3	.9	1.3	1.9	1.2													49	49	69	47													
36/ 35		1.2	1.4	1.3	.8	.2												45	45	79	58													
34/ 33		1.3	1.8	1.4	.4													46	46	60	39													
32/ 31		1.4	2.2	1.1	.3													46	46	68	62													
30/ 29		.2	1.1	.8														19	19	53	60													
28/ 27		.5	.9	.3														16	16	35	51													
26/ 25		.4	1.0	.1														14	14	31	54													
24/ 23		.3	.5															8	8	27	56													
22/ 21		.3	1.1															13	13	10	45													
20/ 19		.5																5	5	10	57													
18																																		

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 100-1

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 FLIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70,73-79
YEARS

MAR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry B. lb	Wet Bulb	Dew Point				
32/ 61									.3		.1							4	4					
33/ 79								1	.1	.1	.2	.1						6	6					
78/ 77							.2	4	.1	.3	.3							13	13					
76/ 75						.2	.5	5	.2	.2	.4							20	20					
74/ 73					.1	.3		2	.5	.2	.3							16	16					
72/ 71						.1	.2		.1	.5	.2							11	11					
70/ 69					.2	.6	.4	3	.3	.2								24	24					
68/ 67			.1		.2	.4	.6	9	.1		.1	.2						25	25					
66/ 65			.1	.4	.2	.6		8	.4	.5	.3							34	34	13				
64/ 63		.1	.2	.1	.4	1.0	.1	1	.9	.1	.2							30	30	13				
62/ 61		.1	.1	.1	1.1	.6	.1	4	.4	.3								31	31	17				
60/ 59	.1	.2	.3	.9	.1	.4	1.1	2										31	31	24				
58/ 57		.3	.2	.6	.3	.5	.6	2	.1	.1								29	29	31				
56/ 55		1.2	.4	.5	.5	1.3	.2	1	.2	.2								41	41	42				
54/ 53		.3	.1	1.0	1.2	.3	.9	4		.1								40	40	57				
52/ 51	.2	.2	.2	.2	.2	1.0	1.2	1										31	31	28				
50/ 49		.4	.6	1.2	.9	.6	.4	1										40	40	28				
48/ 47	.1	.3	.3	1.0	1.8	.8	.4	1										45	45	57				
46/ 45		.6	.4	1.0	1.8	1.3	.4											52	52	40				
44/ 43		.9	.5	1.6	1.5	2.0												61	61	42				
42/ 41		.9	1.0	1.5	1.4	.9												52	52	54				
40/ 39	.2	1.7	1.9	1.4	1.3	.4	.1											66	66	58				
38/ 37		1.2	1.1	2.4	1.0	.3												55	55	83				
36/ 35		1.2	.5	.9	.5													29	29	68				
34/ 33		.5	.9	1.2	.9													32	32	67				
32/ 31		1.6	1.9	.9	.2													43	43	44				
30/ 29		1.2	1.0	.4														24	24	56				
28/ 27		.9	1.1															18	18	40				
26/ 25		.3	.4															7	7	31				
24/ 23			.4															4	4	14				
22/ 21		.4	.5															9	9	9				
20/ 19	.1	.4	.2															7	7	6				
18/ 17																				7				
16/ 15																				1				
Element (X)	ΣX ²			ΣX			X			X ²			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13843

WRIGHT-PATTERSON AFB OH

68-70, 73-79

MAG

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

YEARS

MAR

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
78/ 77									.1		.2							3	3				
76/ 75								.2	.1		.1							4	4				
74/ 73						.1		.3		.2	.2							8	8				
72/ 71					.1		.4	.3	.2	.1								11	11				
70/ 69					.2	.3	.4	.1	.3	.2								15	15				
68/ 67					.3	.8	.4	.4	.2									20	20				
66/ 65			.1	.3	.3	.4	.5	.3	.3		.1							23	23				
64/ 63		.1	.3	.4	.2	.3	.6	.3	.2									24	24	3			
62/ 61		.3	.3	.6	1.4	.4	.2	.3	.1	.1	.1							37	37	13			
60/ 59		.2	.6	.4	.3	.6	.4	.6		.1								32	32	21	5		
58/ 57		.4	.6	.8	.5	.4	.3	.5	.3									37	37	31	7		
56/ 55		.4	.6	.5	.4	.9	.6		.2									35	35	35	15		
54/ 53		.8	.3	1.3	.9	.5	.4	.1	.1									40	40	49	15		
52/ 51		.5	.4	.9	.4	.5	.3	.2	.1									32	32	36	36		
50/ 49		.6	.6	.9	.9	.9	.1	.2										38	38	28	27		
48/ 47		.4	.5	.9	1.6	.5	.4	.1										42	42	44	28		
46/ 45		.4	.9	1.6	1.1	.6	.2											45	45	44	34		
44/ 43		1.3	.8	1.0	.0	.8	.1											42	42	42	29		
42/ 41		1.3	.4	2.0	1.3	.4												51	51	47	36		
40/ 39	.3	1.5	1.2	2.0	1.9	.1	.1											67	67	67	37		
38/ 37		2.3	2.2	2.2	.9	.3												72	72	55	38		
36/ 35		1.6	2.3	2.3	.1	.1												59	59	57	54		
34/ 33		.1	1.6	1.1	.4													30	30	81	40		
32/ 31		1.0	3.4	1.6	.3													59	59	65	52		
30/ 29	.5	1.5	1.8	.2	.1													39	39	62	71		
28/ 27		1.5	1.4	.4														31	31	54	56		
26/ 25		.4	.5															9	9	46	42		
24/ 23		.4	.1															5	5	22	50		
22/ 21		.3	.5															8	8	9	57		
20/ 19	.3	.5																8	8	9	56		
18/ 17		.1	.1															2	2	6	57		
16/ 15			.1															1	1	2	26		
14/ 13		.1																1	1	1	21		
12/ 11																		1	1	1	12		
Element (X)	ΣX ²			ΣX		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.														≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

1800-2000
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

4A R
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

68-70, 73-79

YEARS

MAR
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM
FBI 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

14 FEB
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

APR
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71				.1														1	1					
70/ 69		.1	.4				.1											6	6					
68/ 67	.2	.1		.1	.7	.2	.2											14	14	7	2			
66/ 65		.1	.3	.3	.1	.8	.1											16	16	2	5			
64/ 63		.6	1.2	1.1	1.1	.2	.1											38	38	2	2			
62/ 61	.1	.8	.4	1.0	.6	.2	.4											32	32	14	7			
60/ 59	.3	1.1	1.1	1.1	.3	.1	.1											38	38	32	12			
58/ 57	.1	1.2	.7	1.2	.8	.2	.2											40	40	36	21			
56/ 55	.2	1.7	.7	1.1	.6	.4												42	42	48	29			
54/ 53		1.4	1.9	1.2	.2	.3												46	46	34	31			
52/ 51	.1	1.0	.9	.4	.6	.3												32	32	47	29			
50/ 49		.3	1.7	.2	.8	.1												28	28	39	48			
48/ 47	.1	1.3	.9	1.1	.9													39	39	29	31			
46/ 45	.2	1.0	2.4	1.6														55	55	43	27			
44/ 43		1.9	3.2	.6	.1													52	52	42	39			
42/ 41	.1	3.2	5.0	2.3	.4													100	100	71	47			
40/ 39	.7	3.1	4.7	.4	.3													83	83	62	53			
38/ 37	.2	3.0	3.6	.4	.2													67	67	86	46			
36/ 35	.2	1.8	2.4	.3														43	43	77	76			
34/ 33	.1	2.1	1.3	.4														36	36	59	63			
32/ 31	.4	1.8	1.8	.2														38	38	46	102			
30/ 29		1.2	1.4															24	24	41	54			
28/ 27		.7	1.6															20	20	24	55			
26/ 25	.1	.2	.7	.1														10	10	25	28			
24/ 23																				10	18			
22/ 21																				4	26			
20/ 19																					15			
18/ 17																					18			
16/ 15																					9			
14/ 13																					4			
10/ 9																					2			
8/ 7																					1			
TOTAL	3.350	7.38	315.6	7.8	3.0	1.3												900	900	900	900			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	5086893		66633		74.013		0.072		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					90			
Dry Bulb	1292541		41243		45.810		0.681		900			9.2	2.1								90			
Wet Bulb	1688596		37940		42.2		9.962		900			15.0	.7								90			
Dew Point	1387662		33884		37.611		1.160		900			33.2	.2								90			

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13640 WRIGHT-PATTERSON AFB OH

68-70, 73-79

YEARS

APR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73			.1															1			1	1			
72/ 71			.1															2			2				
70/ 69			.2															4			4		1		
68/ 67	.3			.1	.4	.7	.1											15			15		5	5	
66/ 65		.3	.1	1.1	1.1	.1	.1											26			26		1	1	
64/ 63		.9	.4	1.1	.9	.2	.1											33			33		4	5	
62/ 61	.1	.4	.4	.4	.9	.6	.2											28			28		15	3	
60/ 59	.6	1.2	1.3	.9	.4	.7												46			46		36	15	
58/ 57		2.8	.6	.8	.9	.3	.1											48			48		42	7	
56/ 55	.2	1.8	.2	1.2	.4	.1												36			36		50	53	
54/ 53		1.0	.4	.7	.7													25			25		36	38	
52/ 51	.1	1.4	.9	.7	.9	.1												36			36		37	35	
50/ 49		.2	1.7	1.1	.4													31			31		33	35	
48/ 47	.2	1.8	1.9	2.2	1.3	.1												68			68		36	17	
46/ 45	.1	2.7	2.7	1.2	.3													63			63		43	28	
44/ 43	.1	1.3	3.8	1.2	.2													60			60		67	41	
42/ 41	.1	2.6	2.2	1.3	.2	.1												59			59		64	57	
40/ 39	.6	2.7	4.6	.8	.2	.1												80			80		76	46	
38/ 37	.3	3.6	3.4	.9														74			74		77	59	
36/ 35		2.1	1.3	.2														33			33		76	75	
34/ 33	.6	2.2	1.7	.3														43			43		66	67	
32/ 31	.3	1.8	2.0	.1														38			38		42	86	
30/ 29		.9	1.1															18			18		34	64	
28/ 27		.9	1.4															21			21		23	43	
26/ 25	.1	.3	.6															9			9		26	31	
24/ 23	.1	.1	.1															3			3		7	14	
22/ 21																							6	17	
20/ 19																							1	26	
18/ 17																								17	
16/ 15																								9	
14/ 13																								3	
10/ 9																								2	
TOTAL	3.9	33.0	33.2	16.4	9.3	3.4	.7											900			900		900	900	
Element (X)	ΣX ²		ΣX		X		ΣX		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	5084364		66786		74.0		13.259		900		≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	2022152		41538		46.2		10.809		900			8.9	2.2	.1			90								
Wet Bulb	1714595		38225		42.5		10.066		900			13.9	.6				90								
Dew Point	1408714		34150		37.9		11.207		900			31.3	.5				20								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 NIGHT-PATTERSON AFB OH

68-70, 73-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
82/ 81				.1			.1	.1	.1	.2								1	1					
80/ 79							.1	.2	.4	.1								6	6					
78/ 77			.1			.1	.2	.4	.1									9	9					
76/ 75			.1			.2	.4	.7	.2	.2								17	17	1				
74/ 73		.1			.2	.3	.4			.1								11	11	2	1			
72/ 71	.1			.3	.6	1.0	.6	.6	.7									31	31		4			
70/ 69	.1		.1	.6	.3	.2	.6	.2	.2		.1							20	20	1	1			
68/ 67		.1	.3	.7	.4	.2	.3	.2	.1									29	28	2				
66/ 65			.6	.8	.6	.9	.3	.2	.3	.1								34	34	19	1			
64/ 63		.6	1.1	.2	.9	.9	.7	.6	.4									48	48	23	4			
62/ 61		1.2	1.2	1.4	1.0	.4	1.3	.7										66	66	46	11			
60/ 59		1.2	.4	.6	.7	.9	1.0	.3	.1									47	47	36	22			
58/ 57		.9	.6	.3	.6	2.0	.7											45	45	50	43			
56/ 55		1.0	.3	.4	.6	2.1	.7	.2										51	51	56	42			
54/ 53		.7	.3	1.0	1.4	.9	.4	.2										45	45	43	29			
52/ 51	.1	.8	.6	.9	1.7	1.6	.1											51	51	24	44			
50/ 49		.9	1.0	1.6	1.6	.7	.1											52	52	51	25			
48/ 47		.9	1.2	2.8	2.0	.4												66	66	75	45			
46/ 45	.1	1.3	1.2	2.1	1.6	.7												63	63	72	27			
44/ 43		.8	2.0	1.3	.6	.4												46	46	67	45			
42/ 41		.8	1.2	1.7	.7	.3												42	42	77	30			
40/ 39		.9	1.3	1.1	.7	.1												37	37	61	48			
38/ 37		.4	1.2	1.1	.2													27	27	57	74			
36/ 35		.8	1.0	.7	.3													25	25	32	72			
34/ 33	.1	.4	.2	.6	.1													13	13	42	67			
32/ 31		.6	.4	.2														11	11	29	71			
30/ 29			.4	.1														5	5	13	47			
28/ 27		.1	.1	.1														3	3	10	42			
26/ 25																					6	24		
24/ 23																					3	11		
22/ 21																						21		
20/ 19																						21		
18/ 17																						10		
16/ 15																						a		
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

6787

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70, 73-79
YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							Dew Point	
86/ 85					.1				.1	.3	.6	.1						4		4					
84/ 83					.1	.2		.2	.3	.4	.6	.2						10		10					
82/ 81				.1	.2			.2	.3	.4	.6	.2						14		14					
80/ 79				.1			.3	.1	.7	.1	.3							15		15					
78/ 77			.1			.2	.9	.3	.2	.6	.2							23		23					
76/ 75						.4	.6	.2	.4	.6								20		20		5			
74/ 73					.3	.3	.6	.4	.7	.6	.2							28		28		1			
72/ 71				.3	.3	.1	.6	.9	.8	.1	.3							31		31				4	
70/ 69			.7	.2	.6	.6	.6	.7	.8	.0								44		44					
68/ 67			.4	1.0	1.1	.4	.4	.6	1.1	.6								51		51		11			
66/ 65		.3	.7	1.0	.5	.1	1.0	1.0	1.0	.1								52		52		37		1	
64/ 63		.7	.8	.2	.1	.7	1.2	.3	1.0	.1								50		50		40		5	
62/ 61		.2	.9	.1	.6	.8	1.1	1.1	.6	.1								49		49		38		17	
60/ 59		1.0	.9	.6	.7	.7	1.1	1.1	.2									56		56		60		33	
58/ 57	.1	.8	.9	.2	1.1	1.6	.8	.9	.1									58		58		50		44	
56/ 55		.6	.9	.2	.9	2.3	1.3	.7										62		62		47		38	
54/ 53		.6	.3	.7	1.6	1.6	.7	.1										49		49		60		40	
52/ 51		.1	.7	.2	1.4	1.6	.6											41		41		69		30	
50/ 49		.1	.9	.3	.9	1.3	.4	.1										37		37		47		37	
48/ 47		.3	1.2	.9	1.4	.8	.9											50		50		67		23	
46/ 45		.7	.9	1.0	.7	.7	.2											37		37		72		42	
44/ 43	.1	.4	.8	1.1	.8	.7												35		35		71		46	
42/ 41	.1	.6	1.1	.7	.3	.1												26		26		50		52	
40/ 39		.2	.9	.3	.9	.1												22		22		44		52	
38/ 37		.3	.6		.6	.1												14		14		47		49	
36/ 35		.2	.3		.4													9		9		32		59	
34/ 33		.4	.3	.3														10		10		17		73	
32/ 31		.1	.1															2		2		17		63	
30/ 29																						10		45	
28/ 27																						7		41	
26/ 25																								18	
24/ 23																								22	
22/ 21																								19	
20/ 19																								10	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												Total
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

88-0007

USAFETAC
FORM
JUL 64
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70, 73-79
YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
88/ 87												.2	.1					3	3					
86/ 85						.2					.1	.7						9	9					
84/ 83						.2			.3	.2	.2	.2						11	11					
82/ 81					.1				.2	.6	.1	.2						11	11					
80/ 79					.1	.1			.4	.3	.6	.2						22	22					
78/ 77							.9	.7	.4	1.1	.7	.2						32	32					
76/ 75					.3	.3	.1	.8	.4	1.1	.3							31	31	4				
74/ 73				.1	.1	.7	.7	1.0	.7	.1	.6							35	35	2				
72/ 71			.1		.7	.6	.4	.2	.6	.9	.2							33	33		4			
70/ 69			.3	.4	1.0	1.0	.7	.8	1.2	.7	.2							57	57	1	2			
68/ 67		.1	.9	.4	.0	.3	.8	.7	.9	.6								50	50	12				
66/ 65		.1	.4	.9		.2	1.0	.4	.4	.3								35	35	35	1			
64/ 63		.3	.4	.3		.3	1.0	1.9	1.4	.3								54	54	48	7			
62/ 61		.7	.8	.6	.4	.6	1.0	1.4	.9	.2								59	59	46	15			
60/ 59		.8	.9	.3	.2	1.0	2.7	1.1	.6									62	62	67	25			
58/ 57	.1	.6	.9	.4	.6	1.4	1.2	.8	.2									56	56	59	46			
56/ 55		.4	.8	.3	.1	1.9	1.8	.1										49	49	46	35			
54/ 53		.3	.7	.4	.6	1.2	.9											37	37	59	58			
52/ 51		.2	1.0	1.0	1.0	1.3	1.4	.3										57	57	45	43			
50/ 49		.2	1.0	.9	.9	.9	.8	.2										44	44	43	36			
48/ 47		1.0	.7	.6	.7	.6	.7											37	37	86	34			
46/ 45		.2	.7	.8	.4	.7												25	25	74	43			
44/ 43		.4	.7	.9	.2	.4												24	24	64	43			
42/ 41		.7	.4	.9	.6	.4												27	27	45	53			
40/ 39		.2	.2	.1	.1	.1												7	7	40	47			
38/ 37		.4	1.0	.2	.8	.1												23	23	37	48			
36/ 35			.2		.1	.1												4	4	26	69			
34/ 33		.4		.2														6	6	17	68			
32/ 31																				12	53			
30/ 29																				11	45			
28/ 27																				1	53			
26/ 25																					18			
24/ 23																					8			
22/ 21																					14			
Element (X)	Σ X²		Σ X		X̄		s²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

6789 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
86/ 85												.1							1	1				
84/ 83					.1	.1					.1	.1							4	4				
82/ 81					.1				.1		.3								6	6				
80/ 79				.1				.4	.4	.2	.1								12	12				
78/ 77				.1	.1	.1	.2	.1	.2	.4	.3								15	15				
76/ 75						.1	.4	.7	.7	.6	.1								23	23	1			
74/ 73						.3	1.1	.6	.9	.3									29	29	4			
72/ 71		.1	.2	.4	.2	.4	.3	.2	.1										27	27		2		
70/ 69			.2	.7	.3	1.0	.9	.6	.3										36	36	1	3		
68/ 67			.6	.8	.6	1.1	.9	.7	.2	.2									45	45	4			
66/ 65			1.2	1.4	.2	.3	.7	.8	.6	.2									49	49	13	3		
64/ 63		.2	.7	.7	.7	.8	.6	.6	.4										41	41	27	1		
62/ 61		.4	1.1	.2	.4	.6	1.2	1.4	.4										53	53	55	8		
60/ 59		.9	.8	.2	.6	1.1	1.6	1.1	.1										55	55	57	19		
58/ 57		.9	.4	.3	1.1	1.1	1.6	.6											54	54	56	46		
56/ 55	.1	.8	.7	.3	.6	2.1	1.6	.2											57	57	52	35		
54/ 53		.4	1.4	.6	1.6	1.8	1.0	.1											62	62	45	36		
52/ 51		.1	1.2	.1	.9	1.7	.9	.2											46	46	44	39		
50/ 49		.9	1.1	2.1	.9	.9	.8	.1											61	61	60	20		
48/ 47		.9	1.0	1.6	.9	1.4	.4												56	56	73	41		
46/ 45	.1	.6	2.3	.8	1.1	.7													50	50	90	53		
44/ 43		.1	1.0	.7	.6	.7													27	27	79	46		
42/ 41		.4	1.2	1.1	.4	.2													31	31	57	45		
40/ 39		.1	.7	.2	.6	.2													16	16	43	55		
38/ 37		.4	.7	.2	.3														15	15	52	56		
36/ 35		.3	.9	.2	.3														16	16	27	74		
34/ 33		.3	.1	.2															6	6	24	59		
32/ 31		.3		.4															7	7	17	60		
30/ 29																					10	42		
28/ 27																					5	44		
26/ 25																								

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

1800-2000
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

13540	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

68-70, 73-79

YEARS

APR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 NIGHT-PATTERSON AFB CH
STATION STATION NAME

68-70,73-79
YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point			
88/ 87												.0	.0							3	3			
86/ 85						.0					.1	.1								14	14			
84/ 83					.0	.0			.1	.1	.1	.0								25	25			
82/ 81				.0	.1			.0	.1	.1	.1	.1								32	32			
80/ 79				.1	.0	.0	.1	.2	.2	.1	.1	.0								57	57			
78/ 77			.0	.3	.0	.1	.3	.1	.1	.3	.2	.0								80	80			
76/ 75			.0		.1	.1	.2	.3	.2	.3	.1									95	95	11		
74/ 73		.0	.0	.1	.1	.2	.4	.2	.3	.1	.1									118	118	12	3	
72/ 71	.1		.0	.1	.3	.3	.3	.3	.3	.2	.1									140	140	2	17	
70/ 69	.1	.0	.3	.2	.3	.4	.4	.4	.4	.2	.0									194	194	5	6	
68/ 67	.1	.1	.3	.4	.7	.6	.5	.3	.3	.2										259	259	49	7	
66/ 65		.1	.6	.9	.5	.5	.5	.4	.3	.1										273	273	117	20	
64/ 63		.5	.9	.6	.6	.6	.5	.5	.4	.1										349	349	161	32	
62/ 61	.0	.7	.9	.7	.6	.7	.8	.6	.2	.0										376	376	250	73	
60/ 59	.1	1.0	.9	.6	.6	.8	.8	.5	.1											391	391	377	154	
58/ 57	.1	1.3	.7	.6	.8	1.1	.6	.3	.0											389	369	392	269	
56/ 55	.1	1.2	.6	.6	.8	1.2	.8	.2												394	394	414	302	
54/ 53		.7	.7	.9	1.0	.9	.5	.1												347	347	360	276	
52/ 51	.1	.7	1.1	.6	1.1	1.0	.4	.1												365	365	344	301	
50/ 49	.3	.5	1.3	1.3	.9	.5	.3	.1												356	356	367	294	
48/ 47	.1	1.2	1.2	1.6	1.2	.4	.3													431	431	476	236	
46/ 45	.1	1.3	2.1	1.5	.7	.4	.0													435	435	510	294	
44/ 43	.0	1.1	2.2	1.3	.4	.3														384	384	539	366	
42/ 41	.0	1.3	2.2	1.5	.6	.2														413	413	538	396	
40/ 39	.2	1.2	2.2	.7	.4	.1														345	345	472	427	
38/ 37	.1	1.4	1.8	.7	.3	.0														308	308	500	434	
36/ 35	.5	1.0	1.1	.3	.2															187	187	377	576	
34/ 33	.1	1.0	.7	.4	.0															159	159	322	524	
32/ 31	.1	.7	.9	.3																142	142	225	601	
30/ 29		.3	.5	.0																61	61	158	388	
28/ 27		.2	.5	.0																53	53	100	360	
26/ 25	.0	.1	.2	.0																21	21	84	185	
24/ 23	.0	.0	.0																	3	3	25	129	
22/ 21																						11	153	
Element (X)	Σ x'				Σ x				Σ	Σ	No. Obs.		Mean No. of Hours with Temperature								Total			
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

APR

MONTH

ALL

HOURS (L, S, T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

24 41

USAFETAC

PSYCHROMETRIC SUMMARY

13840

WRIGHT-PATTERSON AFB OH

68-70, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

5000 DEC
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

13640
STATIC

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79

YEARS

MAY
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13842 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70,73-79
YEARS

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
78/ 77					.1													1	1					
76/ 75					1.1													10	10					
74/ 73		.1	.2	.5	.1			.1										10	10					
72/ 71		.1	.5	1.4	.3	.1												23	23	1				
70/ 69		.4	1.3	1.3	.4	.4												36	36	9	2			
68/ 67	.1	1.1	2.9	1.6	.6	.4	.3	.1										66	66	29	8			
66/ 65	.1	1.9	2.7	1.3	1.1	.1	.1	.1										68	68	41	27			
64/ 63	.2	2.9	1.3	1.5	.8	.3	.1	.1										66	66	65	47			
62/ 61	.2	3.1	1.2	1.6	.8	.1												65	65	72	58			
60/ 59	.6	2.2	2.9	1.1	.9	.4	.2											77	77	69	72			
58/ 57		2.3	1.7	.8	.9	.1												53	53	64	49			
56/ 55	.1	2.2	1.3	2.0	1.4	.3												68	68	76	50			
54/ 53		3.0	2.2	1.8	.8	.2												72	72	52	67			
52/ 51	.1	2.7	1.7	1.0	.2													53	53	64	64			
50/ 49		1.3	3.1	1.5	.5													60	60	66	58			
48/ 47	.1	2.7	2.7	.4	.1	.2												58	58	59	48			
46/ 45	.1	2.2	1.3	1.0	.1													43	43	84	58			
44/ 43		2.2	1.0	.4	.1													34	34	58	63			
42/ 41		.9	.9	.5	.1													22	22	31	59			
40/ 39		.3	.9	.1	.1													13	13	27	66			
38/ 37		.8	.9	.2														17	17	23	29			
36/ 35	.1	.3	.4	.2														10	10	14	23			
34/ 33	.1	.2																3	3	16	27			
32/ 31	.1	.1																2	2	8	19			
30/ 29																				2	15			
28/ 27																					10			
26/ 25																					4			
24/ 23																					1			
22/ 21																					3			
20/ 19																					3			
TOTAL	2.0	32.8	30.9	20.3	10.1	2.8	.6	.4										930	930	930	930			
Element (X)	ΣX ²		ΣX		X		ΣX		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	5697335		71861		77.3		12.478		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	3049551		52553		56.5		9.271		930				.2	14.6	2.1									93
Wet Bulb	2652462		48906		52.7		8.944		930				1.0	3.9										93
Dew Point	2346888		45760		49.2		10.128		930				5.5	1.0										93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13842
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79

YEARS

MAY
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13840	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

68-70, 73-79

YEARS

MAY
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH 68-70, 73-79 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
94/ 93										.1	.1							2	2					
92/ 91									.1	.2	.2							5	5					
90/ 89									.3	.3	.2	.2						10	10					
88/ 87								.1	1.0	.3	.2							15	15					
86/ 85							.3	.5	1.5	.4	.9	.1						35	35					
84/ 83						.2	1.0	1.6	.5	1.3	.9							52	52					
82/ 81					.2	.6	1.2	.9	.6	.9	.3	.1						45	45					
80/ 79					.3	.5	.6	1.3	.5	1.0	.5	.1						46	46					
78/ 77					.6	1.0	1.0	1.0	.6	.4	.2							45	45					
76/ 75			.4	.5	.5	.6	.9	.5	.4	.8	.2							46	46	5				
74/ 73		.1		.6	.6	1.3	.3	.1	.5	1.0	.2							45	45	20				
72/ 71		.2	.3	1.1	1.1	1.2	1.1	.8	1.2	.1	.2							67	67	56	3			
70/ 69		.6	.5	.9	.9	1.4	1.7	1.2	.6	.6								71	71	56	12			
68/ 67		.3	1.0	.3	1.6	.3	1.6	1.7	.9	.2								74	74	53	24			
66/ 65		.4	.9	1.1	1.7	1.3	1.4	.6	.9	.2								69	69	95	45			
64/ 63		.4	.9	.9	1.7	.8	1.1	1.7	.5									60	60	67	67			
62/ 61	.2	.6	.4	1.3	1.2	1.1	1.1	.5	.1									61	61	68	68			
60/ 59	.2	.2	1.1	.6	.8	.4	.6	.5										42	42	67	37			
58/ 57		.3	.4	.3	.3	.3	.5											21	21	70	57			
56/ 55		.1	1.0	.5	.4	.9	1.2	.1										39	39	89	68			
54/ 53		.2	.1	.3	1.1	.5	.4	.1										26	26	66	76			
52/ 51		.3	.2	.5	.5	.4	.1											20	20	60	44			
50/ 49		.1	1.3	.3		.4	.2											22	22	55	55			
48/ 47			.1	.1	.2	.2												6	6	39	43			
46/ 45		.6																6	6	37	59			
44/ 43																				31	54			
42/ 41																				6	45			
40/ 39																				5	48			
38/ 37																				4	20			
36/ 35																						27		
34/ 33																						20		
32/ 31																						19		
30/ 29																						19		
28/ 27																						11		
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

17840

WRIGHT-PATTERSON AFB OH

68-72, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1530-1700
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DAY
MONTH

1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-2b-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

65-72, 73-79
YEARS

1AY
MONTH

1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				T _W - D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
94/ 93										.1										1	1			
92/ 89										.2	.1	.1								4	4			
88/ 87								.1	.2	.1	.1	.1								6	6			
86/ 85							.1	.3	.5	.1	.4	.2								16	16			
84/ 83							.1	.8	.2	.6	.2									18	18			
82/ 81						.3	1.6	.5	.4	.5	.3									35	35			
80/ 79			.1	.3	1.5	1.0	1.0	1.4	.1	.2	.1									53	53			
78/ 77		.1	.4	1.2	.5	1.1	1.3	.3	.2	.4	.1									54	54			
76/ 75		.1	.3	.4	.8	1.2	1.0	.5	.5	.2	.1									53	53	1		
74/ 73		.1	.3	.4	.8	1.2	1.0	.5	.5	.2	.1									48	48	7		
72/ 71		.1	.1	.5	1.2	.9	.5	.9	.3	.4	.2									48	48	21	4	
70/ 69	.1	.4	1.3	1.4	.9	1.2	.8	1.4	1.0	.1										79	79	62	3	
68/ 67	.1	.5	2.5	.9	1.0	1.6	1.1	1.1	1.2	.1	.1									4	94	50	16	
66/ 65	.1	1.1	1.2	.8	1.6	.9	1.0	1.0	.5		.1									75	75	93	29	
64/ 62		.6	.5	1.0	.9	1.3	1.5	1.1	.1											64	64	90	85	
62/ 61		.8	1.0	1.4	.5	1.3	1.0	.3	.2	.1										61	61	74	61	
60/ 59		.2	.8	.3	.8	.8	.5	.9	.1											40	40	68	51	
58/ 57		.8	.2	1.2	1.1	.5	.6	.3												44	44	73	54	
56/ 55		.4	.8	.5	.8	.5	.6	.2												36	36	72	63	
54/ 53		.4	.6	1.1	.6	.5	.2	.2												35	35	61	74	
52/ 51		.5		.5	.2	.3	.2													17	17	75	60	
50/ 49		.5	1.1	.6	.1	.2	.1													25	25	45	49	
48/ 47		.2	.3	.3	.2	.3														13	13	49	49	
46/ 45		.6		.2		.1														9	9	32	51	
44/ 43		.2																		2	2	30	45	
42/ 41																						14	63	
40/ 39																						10	36	
38/ 37																						3	41	
36/ 35																							23	
34/ 33																							20	
32/ 31																							15	
30/ 29																							15	
28/ 27																							4	
26/ 25																							9	
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

6797
USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY

MONTH

1800-2000

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840
STATION

RIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb Wet Bulb Dew Point						
92/ 81							.1		.1									2	2					
90/ 79						.2	.5		.1									8	8					
78/ 77					.4	.2	.2	.2	.1									11	11					
76/ 75			.3		1.1	1.1	.6	.5										34	34					
74/ 73			.2	1.2	1.4	1.0	.8	.1	.1	.3								47	47	1				
72/ 71			1.0	1.8	1.5	1.3	.2	.2										56	56	3	2			
70/ 69		.4	1.2	1.1	1.7	.3	.4	.1										49	49	14	1			
68/ 67	.2	1.1	2.3	.8	1.5	.8	.3	.2										66	66	55	11			
66/ 65		1.6	2.5	1.9	1.7	1.3	.5	.3										92	92	75	31			
64/ 63	.1	1.4	.9	2.0	1.6	.1	.9											65	65	76	67			
62/ 61	.2	1.7	1.1	2.4	1.3	.8	.5											74	74	74	60			
60/ 59		1.7	2.2	.8	1.2	1.3	.3	.1										70	70	68	60			
58/ 57		1.2	2.6	1.3	1.8	1.1		.4										78	78	76	65			
56/ 55		.4	1.3	1.6	1.1	.8	.3											51	51	77	72			
54/ 53		1.4	.9	1.9	2.3	.2	.3											65	65	57	49			
52/ 51	.1	.9	1.0	1.1	.6	.6	.1											41	41	70	68			
50/ 49		.5	1.6	1.2	.6	.1												38	38	67	73			
48/ 47		.9	1.0	1.1	.9	.1												36	36	49	37			
46/ 45		.5	.5	.6	.3													19	19	66	50			
44/ 43		.5	.2	.4	.5	.1												17	17	33	47			
42/ 41		.4		.2	.2													8	8	35	53			
40/ 39		.2																2	2	14	60			
38/ 37		.1																		13	45			
36/ 35																				5	16			
34/ 33																				2	15			
32/ 31																						15		
30/ 29																						10		
28/ 27																						14		
26/ 25																						5		
24/ 23																						1		
22/ 19																						2		
18/ 17																						1		
TOTAL	.615	.120	.521	.422	.011	.3	6.2	2.0	.4	.3								930	930	930	930			
Element (A)	Σ x ¹		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	4566505		63719		68.514		702		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					97			
Dry Bulb	3559993		56959		61.2		8.771		930				27.3	10.2	.5						97			
Wet Bulb	2905906		5414		55.3		8.270		930				7.3	.1							97			
Dew Point	2442997		46731		50.210		10.104		930		4.8	1.0									97			

6798
USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

ALL

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
96/ 95												.7						3	3					
94/ 93											.7	.7	.7					4	4					
92/ 91										.7	.1	.1	.7	.7				14	14					
90/ 89								.7	.1	.7	.7	.1						23	23					
88/ 87								.7	.3	.2	.1	.1						49	49					
86/ 85							.1	.3	.4	.2	.3	.1						96	96					
84/ 83						.1	.3	.3	.3	.4	.3	.1						139	139					
82/ 81					.1	.2	.6	.3	.3	.3	.2	.1	.7					159	159					
80/ 79			.0	.0	.7	.3	.4	.5	.4	.3	.1	.1						186	186					
78/ 77			.0	.1	.4	.7	.5	.5	.3	.2	.1	.0						202	202					
76/ 75		.0	.2	.2	.6	.5	.5	.4	.1	.3	.1	.1						236	236	13				
74/ 73		.0	.2	.6	.6	.8	.5	.2	.3	.3	.1	.0						271	271	56				
72/ 71		.1	.4	1.0	.9	.8	.5	.5	.4	.2	.1							366	366	163				
70/ 69	.7	.4	1.2	1.1	.9	.8	.4	.6	.4	.2								457	457	264				
68/ 67	.1	.8	1.9	.9	1.1	.8	.6	.5	.4	.1	.0							534	534	321				
66/ 65	.1	1.5	1.9	1.2	1.2	.8	.7	.6	.3	.0	.0							608	608	562				
64/ 63	.1	1.4	1.1	1.3	1.0	.6	.9	.4	.1									499	499	599				
62/ 61	.2	1.7	1.0	1.5	.8	.8	.6	.2	.1	.0								512	512	538				
60/ 59	.2	1.2	1.8	.9	.8	.8	.4	.3	.0									471	471	557				
58/ 57	.0	1.2	1.3	.9	.9	.6	.3	.2										400	400	554				
56/ 55	.1	1.1	1.3	1.0	1.0	.4	.4	.1										404	404	606				
54/ 53		1.3	1.1	1.3	1.0	.4	.2	.1										395	395	502				
52/ 51	.0	1.3	1.0	1.0	.5	.4	.1											324	324	522				
50/ 49	.1	.8	1.6	.9	.3	.3	.1											304	304	451				
48/ 47	.0	1.1	1.2	.5	.3	.1												244	244	413				
46/ 45	.0	1.2	.7	.4	.1	.0												191	191	433				
44/ 43		.7	.5	.3	.1	.0												123	123	325				
42/ 41	.0	.4	.4	.3	.1													84	84	189				
40/ 39	.0	.3	.4	.1	.0													57	57	140				
38/ 37	.0	.2	.3	.1	.0													45	45	109				
36/ 35	.0	.1	.1	.1														29	29	58				
34/ 33	.0	.1																9	9	51				
32/ 31	.0	.0																2	2	14				
30/ 29																				9				
Element (X)	ΣX ²			ΣX		Σ	Σ ₂	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC
FORM
NH 54
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13840	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

66-70, 73-79

YEARS

MAY
MONTH

PAGE 2

ALL
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
94/ 93										.1								1	1					
92/ 91							.1	.2	.1	.2	.1							7	7					
90/ 89						.1	.2	.3	.2	.4	.3	.1						20	20					
88/ 87					.1	.3	.3	.3	.7	.3	.2	.1						22	22					
86/ 85				.1		1.7	.9	.9	1.2	.7	.4	.2	.1					56	56					
84/ 83				.6	.4	1.0	.9	1.6	1.2	.6	.3	.1						60	60					
82/ 81			.1	.2	.9	1.2	2.8	.6	1.4	.4	.2	.1						72	72					
80/ 79		.1	.2	.3	1.4	2.3	1.1	1.7	.9	.7			.1					80	80	6				
78/ 77		.1	.4	1.1	1.4	1.6	1.7	2.2	1.2	.9				.1				97	97	19				
76/ 75		.2	.6	2.0	1.7	.4	2.0	2.3	.9	.7								97	97	32				
74/ 73		.4	1.3	2.1	.6	1.4	1.9	2.1	1.6	.1								99	99	59				
72/ 71		.2	1.4	1.0	.8	1.7	1.6	1.0	.6	.1								75	75	85				
70/ 69		.6	1.4	.7	.3	1.3	1.0	.6	.4									57	57	116				
68/ 67		.2	.9	.6	.9	.8	.8		.7	.1								40	40	95				
66/ 65		.7	1.6	.9	.7	.8	.3	.2										46	46	91				
64/ 63		.9	.2	.1	.7	.4	.2	.1										24	24	104				
62/ 61		.4	.4	.3	1.2	.4												20	26	87				
60/ 59		.2	.8	.6	.2													16	16	75				
58/ 57			.6															5	5	48				
56/ 55																				47				
54/ 53																				27				
52/ 51																				8				
50/ 49																				1				
48/ 47																				44				
46/ 45																				40				
44/ 43																				29				
42/ 41																				12				
40/ 39																				14				
38/ 37																				2				
36/ 35																				1				
34/ 33																				3				
TOTAL		4.1	10.0	10.6	11.3	15.6	15.8	14.6	10.1	5.3	1.7	.7	.3						900	900	900			
																		900		900				
Element (X)	Σ X ²			Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	3296536			52616		58.5		15.661		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	5185859			68003		75.6		7.279		900						78.3		61.1		28.4		.1		90
Wet Bulb	3686382			58886		65.4		6.108		900						41.2		11.6		.1				90
Dew Point	3201283			53159		59.1		8.265		900						19.0		2.7						90

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

ALL
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13846	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

68-70, 73-79

YEARS

JUL
MONTH

PAGE 1

401

HOURS (L. S. ?)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

US/FETA(C)
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

PSYCHROMETRIC SUMMARY

13840	RIGHT-PATTERSON AFB OH
STATION	STATION NAME

69-70, 73-79

YEARS

AUG
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

676

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

67-70, 73-78
YEARS

YEARS

SEP
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93										.2								2	2		
92/ 91									.3	.8								10	10		
90/ 89						.1	.1	.8	.8	.1								17	17		
88/ 87					.1		.4	1.1	.6	.1	.1			.1	.1			24	24		
86/ 85						.2	1.0	2.2	.7	.8			.1	.1				46	46		
84/ 83					.3	1.6	1.9	1.3	1.4	.2	.4	.3						68	68		
82/ 81					1.0	.6	1.3	1.7	.6	1.1	.8	.2						65	65		
80/ 79	.1			.4	1.2	1.6	1.0	1.6	1.1	.7	.4	.2						75	75	3	
78/ 77	.1	.3	.9	1.3	.4	1.2	1.0	1.6	.1			.1						69	69	2	1
76/ 75		.4	.8	.8	.9	2.1	2.0	1.3	.9	.1								80	80	31	4
74/ 73	.2	.3	.8	1.1	1.7	1.4	.9	.7	.9	.4								69	69	69	6
72/ 71	.3	.7	1.2	.9	1.6	2.3	1.4	1.1	.8	.2								95	95	78	13
70/ 69	.7	.6	.6	.6	.8	1.2	1.8	.3	.6									63	63	62	59
68/ 67	.6	.3	.8	.4	1.1	1.7	.4	.6	.1									54	54	79	61
66/ 65	.2	1.0	.7	.2	.3	1.1	.6	.7										43	43	71	80
64/ 63	.6	.7	.1	.1	1.2	1.3	.7	.4										46	46	96	50
62/ 61	.6	.7	.1	.2	.6	.3												22	22	91	41
60/ 59	.4	.4	.2	.3	.2	.2												17	17	69	64
58/ 57			.9		.2	.2												12	12	67	73
56/ 55		.4	.2	.1	.2	.2												11	11	52	63
54/ 53		.2			.1	.1												4	4	39	47
52/ 51		.2																2	2	42	51
50/ 49			.1															1	1	25	53
48/ 47			.2															2	2	11	36
46/ 45			.3															3	3	4	58
44/ 43																				8	32
42/ 41																				1	18
40/ 39																					23
38/ 37																					19
36/ 35																					20
34/ 33																					16
32/ 31																					7
30/ 29																					4
28/ 27																					1
Element (X)	Σ X ²		Σ X		Σ		Σ X		No. Obs.		Mean No. of hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2

1800-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
97/89									.2										2	2				
88/87							.1	.2											3	3				
86/85							.2	.3	.1	.1			.1						11	11				
84/83						.8	.9	.3											18	18				
82/81				.2	.4	1.2	.3	.4	.5		.1								23	23				
80/79				.3	.9	2.1	.8	.7		.4	.2								49	49				
78/77			.7	1.0	1.8	1.1	1.6	.3	.3	.1	.2								64	64	1			
76/75		.2	.3	1.7	1.6	1.3	.7	.8	.2										61	61	5	1		
74/73		.3	1.7	2.1	.9	2.8	1.5	.1	.6	.1									85	85	44	6		
72/71		1.0	1.7	2.0	2.1	1.7	1.0	.4	.3	.2									94	94	59	9		
70/69		.4	1.6	1.4	1.3	1.2	1.0	.9	.1	.1									73	73	72	47		
68/67		.3	1.6	1.7	1.6	1.2	.9	.2	.1	.1									68	68	75	74		
66/65		.7	2.2	1.7	1.2	.9	.9	.2	.3										73	73	76	70		
64/63		1.3	1.2	2.2	.9	1.7	.3	.2	.2										73	73	83	47		
62/61		.7	.6	1.2	1.6	1.4	1.0	.3											61	61	96	56		
60/59		.4	.9	1.0	.3	1.1	.2	.1											37	37	73	92		
58/57		.3	1.0	1.6	1.0	.6													40	40	64	62		
56/55		.1	1.4	.8	.8	.3													31	31	61	67		
54/53		.1		.3	.4	.2													10	10	58	52		
52/51		.1	.1	.1	.1	.1													5	5	56	57		
50/49		.2	.1	.1	.2														6	6	34	40		
48/47			.2	.2															4	4	18	56		
46/45			.1	.1															2	2	9	42		
44/43			.2																2	2	7	30		
42/41																					6	26		
40/39																					1	17		
38/37																						24		
36/35																						13		
34/33																						8		
32/31																						4		
TOTAL		6.3	15.6	19.8	17.0	19.8	11.4	5.3	2.9	1.2	.6		.1						900	900	900	900		
																			900		900			
Element (X)	Σx²		Σx		x̄		sₓ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3924709		57963		64.4		14.603		900		≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	4345146		62104		69.0		8.149		900						55.6		32.1		8.9				90	
Wet Bulb	3432516		55168		61.3		7.520		900						25.6		5.9						90	
Dew Point	2888850		50268		55.9		9.505		900						.4		13.7						90	

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MCNTH

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69				.1	.3													4	4					
66/ 67		.1	1.2	.2	.6	.2												22	22					
66/ 65		1.4	.6	.3	.3		.1											26	26	5				
64/ 63		1.1	1.0	1.5		.4												37	37	27	13			
62/ 61	.4	.6	1.2	.2	.1	.3	.1											28	28	24	30			
60/ 59		2.2	2.0	1.2	.4	.1	.2											57	57	35	8			
58/ 57	.2	2.3	1.6	.9	.4	.1												51	51	40	31			
56/ 55	.2	2.3	1.7	1.2	.4	.1	.1											56	56	57	44			
54/ 53		2.0	1.7	1.6	.3	.3												56	56	48	50			
52/ 51	.3	1.8	2.8	1.0	.5	.4												64	64	51	48			
50/ 49		2.5	3.0	1.0	.9	.3												71	71	49	35			
48/ 47		2.5	3.2	1.3	.3	.1												66	67	73	40			
46/ 45	.1	2.9	3.7	1.5	.2													78	78	74	67			
44/ 43	.2	3.0	3.4	1.5														76	76	76	56			
42/ 41	.1	1.7	2.5	1.1	.1													51	51	83	67			
40/ 39	.1	1.6	4.1	1.1														64	64	63	66			
38/ 37		1.6	1.4	.2														30	30	50	58			
36/ 35		1.3	2.6	.3														39	39	36	63			
34/ 33	.1	1.1	.8	.1														19	19	37	47			
32/ 31		.5	.9															13	13	30	64			
30/ 29	.1	.4	.8															12	12	15	53			
28/ 27	.1	.5																6	6	17	31			
26/ 25		.2																2	2	7	16			
24/ 23		.1																1	1	3	17			
22/ 21																					8			
20/ 19																					12			
18/ 17																					5			
TOTAL	2.0	33.8	40.2	15.9	5.1	2.5	.5												930		929			
																		929		929				
Element (X)	Σ x ²			Σ x		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	5561897			71011		76.412.014		929				≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	2318289			45591		49.09.469		930						3.4		2.6								93
Wet Bulb	2005610			42304		45.59.239		920						7.2										93
Dew Point	1716384			3872.		41.710.504		929						20.6										93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PAGE 1 0600-0800
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
70/ 69				.1	.1													2	2			
68/ 67		.6	.1	.2	.1													10	10	1		
66/ 65		1.1	.3	.3														16	16	6	4	
64/ 63		1.7	.4	1.0	.1													30	30	17	10	
62/ 61		2.0	.9	.3	.1													31	31	21	14	
60/ 59		1.3	1.4	.6	.2	.1	.1											35	35	28	19	
58/ 57	.3	1.8	.9	1.0	.3	.2												42	42	36	32	
56/ 55	.1	2.4	2.3	1.1	.1	.3												58	58	34	29	
54/ 53	.2	1.4	2.6	.9	.1	.1												49	49	43	35	
52/ 51	.1	2.0	2.3	.8	.9	.1												57	57	53	37	
50/ 49	.2	2.3	3.9	1.1	.2													71	71	48	43	
48/ 47	.1	3.2	2.7	.8														63	63	64	49	
46/ 45		3.5	2.6	.4	.1													62	62	83	56	
44/ 43	.2	3.5	2.7	.5	.2													67	67	74	51	
42/ 41	.2	3.2	2.7	.5														62	62	68	73	
40/ 39		4.2	3.4	.4														75	75	64	76	
38/ 37		3.0	2.5	.4														55	55	66	58	
36/ 35	.1	3.3	2.4															54	54	59	61	
34/ 33	.2	1.9	1.5															34	34	68	53	
32/ 31		1.3	.6															18	18	31	67	
30/ 29	.2	.9	1.															19	19	29	54	
28/ 27	.2	.8	.1															10	10	17	39	
26/ 25		.8																7	7	10	28	
24/ 23		.2																2	2	9	10	
22/ 21	.1																	1	1	1	14	
20/ 19																					15	
18/ 17																					3	
TOTAL	2.4	46.6	57.1	10.4	2.6	.9	.1											930	930	930		
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	6014700		74176		79.8		10.296		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F	
Dry Bulb	2119732		43474		46.7		9.704		930				5.7		1.2						93	
Wet Bulb	1477260		40854		43.9		9.428		930				9.7		.1						93	
Dew Point	1639322		37832		40.7		10.392		930				23.0								93	

USAFETAC FORM 0-5.5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
80/ 79								.1										1	1					
75/ 77					.1	.3												4	4					
76/ 75					.1	.9	.1	.1										11	11					
74/ 73				.1	.6	.3	.1		.1									13	13					
72/ 71			.1	.8	.6	.3	.2	.1										21	21					
70/ 69			.8	.4	1.1	.5	.1	.1										28	28	2				
68/ 67		.9	.9	.5	.5	1.0	.5	.1	.1									42	42	12				
66/ 65		1.5	.5	.5	.6	.4	.5											41	41	37	11			
64/ 63		.9	.3	1.3	.9	.5	.8		.1									47	47	40	23			
62/ 61		1.5	.3	1.6	1.0	.4	.2	.5										52	52	28	30			
60/ 59	.1	.9	.3	.9	1.7	1.1	.2		.1									49	49	43	35			
58/ 57		1.2	1.3	1.6	.6	1.2	.2	.1										58	58	39	35			
56/ 55	.1	1.1	2.0	1.9	1.2	.3	.5											67	67	45	32			
54/ 53		1.4	1.6	1.7	2.5	.8	.2											76	76	66	22			
52/ 51		2.5	1.9	1.6	1.8	.8												80	80	70	59			
50/ 49		1.0	2.7	2.4	1.1	.5												71	71	76	55			
48/ 47		2.2	2.2	2.4	.9	.2												72	72	79	54			
46/ 45		1.4	1.9	2.0	1.0	.1												60	60	93	60			
44/ 43		1.0	1.7	1.8	.8													49	49	78	67			
42/ 41		.5	1.6	1.4	.4													37	37	68	64			
40/ 39			1.2	.8	.2													20	20	45	70			
38/ 37		.1	.5	.2														8	8	43	61			
36/ 35		.6	.8	.2														15	15	31	62			
34/ 33		.1	.4															5	5	16	40			
32/ 31			.1															1	1	11	46			
30/ 29		.1	.1															2	2	5	37			
28/ 27																				3	19			
26/ 25																					19			
24/ 23																					17			
22/ 21																					5			
20/ 19																					2			
18/ 17																					1			
16/ 15																					1			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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FORM 0-26-5 (OL A)
JUL 64
USAFETAC

PSYCHROMETRIC SUMMARY

OCT
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

GCT

MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1800-2000

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 BRIGHT-PATTERSON AFB OH 67-70, 73-78 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
76/ 75							.1											1	1				
74/ 72						.1												1	1				
72/ 71				.2	.4													6	6				
70/ 69			.4	.8	.2													13	13				
68/ 67	.1	.4	.2	.3	1.4	.2												30	30	1	1		
66/ 65		1.7	.4	.9	.4	.2	.1											35	35	17	1		
64/ 63		.8	.6	1.1	.5	.3												31	31	35	25		
62/ 61		1.6	1.7	.9	1.1	.5	.1											54	54	17	17		
60/ 59		1.3	1.7	.6	1.1	.5	.4											53	53	48	22		
58/ 57	.1	2.2	2.4	1.9	.5	.4	.1											71	71	40	27		
56/ 55		2.0	1.4	1.3	.6	.4												54	54	54	50		
54/ 53		1.5	1.7	1.5	.4	.5	.4											57	57	58	56		
52/ 51	.3	.6	2.6	1.6	1.2	.8												66	66	50	51		
50/ 49		1.9	4.0	2.2	.8	.5												87	87	44	28		
48/ 47		2.4	2.0	3.0	1.3	.2												63	63	76	49		
46/ 45		1.5	2.6	2.5	.3													64	64	86	58		
44/ 43		1.6	3.0	1.2	.1													55	55	71	67		
42/ 41		1.0	3.0	1.3														49	49	80	49		
40/ 39		.6	2.9	1.2														44	44	78	70		
38/ 37		1.0	1.0	1.0														27	27	43	52		
36/ 35		.5	1.1	.6														21	21	43	64		
34/ 33		.5	.5	.1														11	11	25	59		
32/ 31		.1	1.1															11	11	20	61		
30/ 29		.1	.5															6	6	16	38		
28/ 27																				7	27		
26/ 25																				5	24		
24/ 23																					12		
22/ 21																					5		
20/ 19																					16		
18/ 17																					1		
TOTAL	.5	23.4	35.5	24.1	10.3	4.8	1.3											930	930	930	930		
Element (X)	Σ X ²		Σ X		X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.	5021484		67260		72.3		13.003		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		
Dry Bulb	2528981		47729		51.3		9.248		930				1.7		5.1		.2				97		
Wet Bulb	2131295		43719		47.0		9.049		930				4.8		.1						97		
Dew Point	1775093		39405		42.4		10.655		930				18.4		.1						97		

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USAFETAC FORM 026-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

13649

^FIGHT-PATTERSON AFB OH

67-70, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

OCT

MONTH

ALI:

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
68/ 67				.1														1	1				
66/ 65			.3															3	3				
64/ 63		.2	.1	.6	.7													11	11				
62/ 61		.8	.4	.7	.1													18	18	6			
60/ 59		1.1	.1	.2	.1													14	14	10	8		
58/ 57		1.4	.4	.9														21	21	24	14		
56/ 55		.9	1.6	.4														25	25	17	17		
54/ 53		2.2	1.4	.4														37	37	22	13		
52/ 51		.9	1.9	.1	.1													27	27	34	17		
50/ 49		2.0	1.6	.6	.7													43	43	30	26		
48/ 47		1.9	.7	.4	.4													31	31	35	40		
46/ 45		1.8	.7	.3	.3													28	28	35	29		
44/ 43		3.1	1.4	.3	.1													45	45	27	30		
42/ 41		2.7	2.4	.7	.1	.2												55	55	49	34		
40/ 39		2.7	3.7	1.3														69	69	44	39		
38/ 37		3.7	2.8	.8														65	65	61	33		
36/ 35	.1	2.9	5.6	.7	.3													86	86	67	41		
34/ 33	.2	4.2	3.1	.1														69	69	77	44		
32/ 31		3.9	2.1	.2														56	56	96	53		
30/ 29	.1	2.4																47	47	60	51		
28/ 27	.3	4.7	.9															53	53	51	100		
26/ 25	.1	2.2	.3															24	24	57	70		
24/ 23	.3	1.7	.1															19	19	28	41		
22/ 21	.2	2.8	.1															28	28	30	46		
20/ 19		1.2																11	11	16	35		
18/ 17		.3	.1															4	4	11	33		
16/ 15		.2	.2															4	4	2	38		
14/ 13		.1																1	1	3	17		
12/ 11		.6																5	5	8	6		
10/ 9																					1		
8/ 7																					3		
6/ 5																					5		
4/ 3																					4		
0/ -1																					2		
Element (X)	ΣX^2		ΣX		\bar{X}	σ_A	No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 73						.1												1	1					
72/ 71					.1													1	1					
70/ 69					.2		.1											3	3					
68/ 67			.2	.2	.1	.1												6	6					
66/ 65		.1	.6	.7	.4	.1												17	17					
64/ 63		.6	.3	.6	.1	.2	.1											21	21	7				
62/ 61		.8	.2	.6	.4													18	18	16	4			
60/ 59		.7	.6	.4		.3												18	18	20	12			
58/ 57		.3	.6	.8	.1	.3												19	19	20	24			
56/ 55		.8	.6	.9	.9	.3												31	31	21	12			
54/ 53	.1	1.0	1.8	.3	.3	.7												38	38	15	19			
52/ 51		1.3	1.8	.7	.8	.1												42	42	32	16			
50/ 49		1.8	1.3	1.0	1.1	.1	.2											50	50	40	16			
48/ 47		2.6	1.0	1.4	.3	.3	.1											52	52	40	46			
46/ 45		2.0	1.6	1.3	.6	.1												50	50	47	34			
44/ 43		2.3	2.6	1.2	.8	.1												63	63	60	40			
42/ 41		1.8	3.2	2.6														68	68	59	30			
40/ 39		1.1	3.4	1.7	.1													57	57	50	52			
38/ 37	.2	2.3	3.2	2.0														70	70	66	33			
36/ 35	.1	2.0	4.4	1.0														68	68	88	56			
34/ 33		1.9	3.3	1.7														62	62	61	50			
32/ 31		2.6	2.3	.4														48	48	78	72			
30/ 29		1.1	2.0	.4														32	32	64	68			
28/ 27	.1	1.1	1.3															23	23	36	66			
26/ 25		.4	.6															12	12	29	51			
24/ 23	.1	.3	.3															7	7	20	43			
22/ 21		.7	.2															8	8	10	47			
20/ 19		.6	.1															6	6	6	33			
18/ 17		.1																1	1	6	32			
16/ 15		.8	.1															8	8	1	13			
14/ 13																				8	9			
12/ 11																					7			
10/ 9																					5			
8/ 7																					4			
Element (X)	ΣX ²			ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

NOV

MONTH

0900-1100

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

6831
USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 RIGHT-PATTERSON AFB OH

61-70, 73-78

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
78/ 77								.1										1	1				
76/ 75							.3											3	3				
74/ 73				.1	.1	.3	.7											11	11				
72/ 71				.1	.3	.7	.2											12	12				
70/ 69				.2	.2	.2	.4	.4										14	14				
68/ 67				.7	.4	.2	.2	.1										15	15	1			
66/ 65			.6	.7	.2	.4	.8	.6	.1									30	30	6			
64/ 63			.2		.4	.8	.6	.2										20	20	14	1		
62/ 61		.6	.6		.3	.7	.6	.1										25	25	24	2		
60/ 59	.1	1.0	.2	.2	.9	.7	.6	.6										38	38	24	10		
58/ 57		.3	1.0	.9	.9	.8	.4	.1										46	40	22	33		
56/ 55	.1	.3	.7	1.1	.9	1.0	.8	.1		.1								46	46	24	24		
54/ 53		.7	.9	1.2	1.0	.7	.7	.1										47	47	30	12		
52/ 51		.6	.8	.6	1.1	.9	.7	.1	.2									44	44	45	17		
50/ 49		1.3	2.0	1.1	.9	1.4	.2											63	63	49	32		
48/ 47	.1	1.2	.6	1.3	1.7	.6	.2											51	51	52	32		
46/ 45		1.1	1.9	1.0	1.4	.3	.2											54	54	60	36		
44/ 43	.1	.3	.9	2.4	2.0	.2												54	54	45	42		
42/ 41		.4	1.9	2.6	1.9	.1												62	62	64	34		
40/ 39		.4	1.4	2.6	1.3	.1												53	53	52	42		
38/ 37		.6	2.1	3.2	1.3													65	65	76	42		
36/ 35		.8	2.3	2.1	.1													48	48	55	41		
34/ 33		.3	1.9	1.9	.2													39	39	50	48		
32/ 31		.1	1.7	.9														24	24	52	60		
30/ 29		.2	.9	.2														12	12	54	58		
28/ 27		.7	.2	.1														9	9	51	64		
26/ 25			.9															8	8	49	51		
24/ 23		.1	.3	.1														5	5	6	54		
22/ 21																				8	35		
20/ 19																				3	36		
18/ 17		.3	.1															4	4		31		
16/ 15		.1	.1															2	2	3	15		
14/ 13																				3	23		
12/ 11																					13		
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

1800-2000
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

67-73, 73-78
YEARS

NCV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67				.2	.7	.1												6	6					
66/ 65		.1	.6	.7	.3													15	15					
64/ 63		.2	.6	.4	.1													12	12	1				
62/ 61		.4	.7	.7	.3		.1											17	17	10	1			
60/ 59		.8	.9	1.1	.8	.2												34	34	25	10			
58/ 57		.7	.7	.2	.4	.1												18	18	14	16			
56/ 55		.3	1.2	.7	.4													24	24	21	12			
54/ 53	.1	1.4	.6	1.0	.9													36	36	24	19			
52/ 51	.2	.8	1.9	1.0	.2	.6												42	42	36	30			
50/ 49	.3	1.1	1.5	.8	.1		.1											42	42	33	28			
48/ 47		2.3	1.8	1.6	.6													56	56	38	27			
46/ 45		.9	1.6	1.3	.6													39	39	57	29			
44/ 43		.7	2.7	1.8	.3													49	49	34	39			
42/ 41		1.0	2.6	2.3	.1													54	54	40	26			
40/ 39		1.4	3.6	1.4	.1													59	59	56	40			
38/ 37		1.9	3.4	1.3	.2													62	62	70	35			
36/ 35		4.7	4.7	.3	.1													82	82	65	39			
34/ 33		2.9	4.1	.6	.2													62	62	93	65			
32/ 31	.2	1.7	4.9	1.1														71	71	58	85			
30/ 29		.6	4.4	.7														51	51	66	62			
28/ 27	.1	1.2	1.7															27	27	48	55			
26/ 25	.1	.9	.3															12	12	63	61			
24/ 23	.1	.7	.1															8	8	19	35			
22/ 21		.8																7	7	7	48			
20/ 19		.6																5	5	8	47			
18/ 17		.1																1	1	5	33			
16/ 15		.7																6	6		21			
14/ 13		.3																3	3	6	13			
12/ 11																				5	14			
10/ 9																					1			
6/ 5																					9			
TOTAL	1.22	27.64	4.01	19.2	6.8	1.0	.2											900	900		960			
																		900		900				
Element (X)	Σ X ²		Σ X		X̄		S _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	4728065		64365		71.5		11.787		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	1675611		37537		41.8		10.851		900			19.1	.6				90							
Wet Bulb	1405613		34335		38.2		17.319		900			28.3					90							
Dew Point	1101956		29648		32.9		11.805		900			48.4					90							

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH 67-70, 73-78 NOV
STATION STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
80/ 79							.1	.1										2	2					
78/ 77							.1	.1										2	2					
76/ 75							.1											6	6					
74/ 73				.1	.1	.1	.1											18	18					
72/ 71				.1	.1	.2	.1											26	26					
70/ 69			.1	.1	.2	.1	.1	.1	.1									44	44					
68/ 67			.1	.3	.2	.1	.1	.1	.1	.1								59	59	1				
66/ 65		.1	.4	.5	.2	.1	.2	.1	.1	.1								109	109	16	1			
64/ 63		.2	.6	.4	.3	.2	.2	.1										139	139	40	1			
62/ 61		.5	.3	.5	.4	.3	.1	.1										151	151	114	14			
60/ 59	.1	.9	.6	.5	.5	.3	.2	.1										213	213	152	76			
58/ 57		.8	.7	.7	.3	.4	.1											216	216	154	176			
56/ 55	.1	.7	1.0	.7	.5	.4	.2	.1		.1								260	260	179	134			
54/ 53	.1	1.2	1.2	.9	.6	.3	.1	.1										321	321	218	140			
52/ 51	.1	.8	1.6	.6	.6	.4	.1	.1	.1									307	307	276	165			
50/ 49	.1	1.3	1.5	.9	.8	.3	.1											363	363	278	205			
48/ 47	.1	2.0	1.1	1.1	.9	.2	.1											387	387	356	269			
46/ 45		1.5	1.5	1.4	.8	.1	.1											386	386	390	255			
44/ 43	.1	1.5	1.9	1.7	.8	.1	.1											430	430	346	300			
42/ 41	.1	1.5	2.1	1.9	.5	.1												442	442	411	283			
40/ 39	.1	1.4	3.1	1.8	.5	.1												481	481	421	333			
38/ 37	.1	2.0	3.0	2.0	.3													530	530	532	284			
36/ 35	.1	2.5	4.1	1.1	.2													578	578	529	352			
34/ 33	.1	1.9	2.8	1.1	.1													426	426	638	420			
32/ 31	.1	2.0	2.7	.8														400	400	578	562			
30/ 29	.1	1.2	2.4	.3														293	293	441	474			
28/ 27	.1	1.8	1.0	.0														212	212	345	534			
26/ 25	.1	1.2	.6															133	133	340	478			
24/ 23	.1	.8	.3	.0														87	87	159	340			
22/ 21	.1	.8	.1															69	69	103	339			
20/ 19		.6	.0															48	48	60	336			
18/ 17		.2	.1															22	22	51	254			
16/ 15		.3	.1															29	29	18	171			
14/ 13		.2																15	15	20	120			
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

6831
FORM 0-26-5 (OL A)
JUL 64
USAFETAC

PSYCHROMETRIC SUMMARY

NOV

MONTH

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17540 WRIGHT-PATTERSON AFB OH 67-70, 73-78 YEARS DEC
STATION STATION NAME MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
62/ 61				.2														2	2				
61/ 59		.1	.3		.1													5	5				
58/ 57		.1	.1	.1	.2													5	5	2			
56/ 55	.1		.2				.1											4	4	6	3		
54/ 53		.5	.2	.5	.2		.1											15	15	2	3		
52/ 51		.9	.4	.1	.1													14	14	12	5		
50/ 49		.6	.3	.1	.1		.1											12	12	10	10		
48/ 47		.9	.2	.2	.1		.2											15	15	14	8		
46/ 45	.2	.9	1.1	.3														23	23	19	13		
44/ 43	.1	1.4	1.6	.3	.5													37	37	21	14		
42/ 41		1.2	1.5	.5														30	30	24	17		
40/ 39		1.9	2.3	.4														43	43	27	15		
38/ 37		2.4	1.9	.6														46	46	47	22		
36/ 35		3.5	3.7	1.1														77	77	45	38		
34/ 33	.5	3.8	4.8	1.0														94	94	70	36		
32/ 31	.3	2.7	5.9	1.9														101	101	87	52		
30/ 29	.2	2.7	2.2	.2														49	49	92	61		
28/ 27	.1	3.7	3.4	.2														69	69	68	46		
26/ 25	.2	2.0	2.8	.1														48	48	84	66		
24/ 23	.1	3.3	1.3															44	44	58	75		
22/ 21	.2	4.6	.6															51	51	51	64		
20/ 19	.2	4.2	.1															42	42	54	60		
18/ 17	.2	2.5																25	25	40	52		
16/ 15	.1	2.2	.1															22	22	26	58		
14/ 13	.2	1.4	.4															19	19	17	60		
12/ 11	.1	.5	.3															9	9	16	49		
10/ 9	.4	.9	.1															13	13	14	25		
8/ 7		.8																7	7	11	21		
6/ 5		.1																1	1	5	15		
4/ 3		.2																2	2	1	6		
2/ 1	.1	.5																6	6	7	3		
0/ -1																					11		
-2/ -3																					9		
-4/ -5																					0		
Element (X)	ΣX ²		ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

6835 FORM 0-26-5 (OLA) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

DEC

YEARS

MONTH

3000-0200

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
64/ 63					.2													2	2			
62/ 61				.1														1	1			
60/ 59		.1																1	1			
58/ 57		.4	.1															5	5	4	2	
56/ 55		.3	.1	.1	.1													6	6	5	2	
54/ 53		.1	.3	.5	.2													11	11	4	4	
52/ 51		.4	.4	.2														10	10	6	5	
50/ 49		.6	.1	.3	.2		.3											16	16	5	4	
48/ 47	.2	1.0	.2	.2	.4													19	19	19	11	
46/ 45	.1	1.1	.6	.2	.1													20	20	15	8	
44/ 43		1.5	1.5	.2	.2													32	32	19	12	
42/ 41		.6	1.0	.3														27	27	24	17	
40/ 39		2.0	1.3	.4														35	35	27	15	
38/ 37		2.9	2.7	.2														54	54	52	19	
36/ 35		2.6	3.3	.6														61	61	29	44	
34/ 33	.6	3.1	3.9	.8														79	79	88	31	
32/ 31	.3	2.8	4.3	1.2	.1													81	81	57	56	
30/ 29		4.3	3.5	.1	.1													75	75	70	58	
28/ 27		4.6	2.7	.1														69	69	82	40	
26/ 25	.3	3.3	2.0															53	53	95	57	
24/ 23	.2	3.7	1.2															47	47	58	69	
22/ 21	.4	3.9	.4															44	44	53	70	
20/ 19	.3	4.3	.3															46	46	51	56	
18/ 17		4.0																37	37	42	62	
16/ 15		2.6	.2															26	26	35	62	
14/ 13	.1	2.5	.2															26	26	21	56	
12/ 11	.5	1.2	.1															17	17	31	47	
10/ 9	.2	1.1																12	12	13	38	
8/ 7		.9																8	8	9	25	
6/ 5		.1																1	1	7	13	
4/ 3		.4																4	4	3	13	
2/ 1		.4																4	4	4	2	
0/ -1																				1	13	
-2/ -3	.1																	1	1	1	6	
Element (X)	ΣX ²			ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total		
Dry Bulb																						
Wet Bulb																						
Dew Point																						

FORM 0-26.5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-78

DEC
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61			.1	.1														2	2					
60/ 59			.4															4	4					
58/ 57				.1														1	1	3				
56/ 55		.2	.2	.1														5	5	3	3			
54/ 53		.5	.9	.4														17	17	3	4			
52/ 51		.2	.5															7	7	12	4			
50/ 49		.8	.3	.1	.2		.1											14	14	6	7			
48/ 47	.3	.5	.4	.6			.2											20	20	18	15			
46/ 45		1.0	.2	.1	.2													14	14	7	10			
44/ 43		1.3	1.5	.2	.2													30	30	16	8			
42/ 41		1.7	1.5	.1														31	31	24	13			
40/ 39		1.6	1.6	.3														33	33	35	20			
38/ 37	.1	1.9	1.7	.3														38	38	36	19			
36/ 35	.2	3.9	2.6	.4														66	66	42	30			
34/ 33	1.1	2.8	3.9	.6														78	78	74	40			
32/ 31	.3	2.3	5.3	1.2														84	84	50	53			
30/ 29	.3	2.6	3.5															60	60	66	58			
28/ 27	.1	6.1	2.0															77	77	89	35			
26/ 25	.3	4.2	2.2															62	62	99	50			
24/ 23	.1	2.5	1.1															34	34	58	57			
22/ 21	.6	4.6	.9															57	57	41	74			
20/ 19	.6	4.1	.3															47	47	65	88			
18/ 17	.2	2.9	.1															30	30	43	36			
16/ 15	.4	3.2	.2															36	36	35	64			
14/ 13	.4	1.9	.3															25	25	31	55			
12/ 11	.6	2.3																27	27	28	57			
10/ 9	.1	1.2																12	12	17	34			
8/ 7		1.1																10	10	11	32			
6/ 5																				7	13			
4/ 3		.3																3	3	3	10			
2/ 1	.1	.2																3	3	3	10			
0/ -1																					10			
-2/ -3		.3																3	3	3	5			
-4/ -5																					17			
Element (X)	Σ X ²		Σ X		X		X		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) JUL 64
USAFETAC

6037

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

FORM
UN 44

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2

0900-1100
HCURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
NHL 04

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

15549	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

67-71, 73-78

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13840	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

67-70, 73-78

DEC
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

67-77,73-78

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
68/ 67					.1													1	1				
66/ 65				.1	.3													4	4				
64/ 63		.1	.2	.1	.2													6	6				
62/ 61			.2	.1	.1	.2												6	6	3			
60/ 59			.1															1	1	3	3		
58/ 57		.3	.4	.2														9	9	9			
56/ 55		.4	.6	.1														11	11	5	4		
54/ 53		.1	.2	.4		.1												8	3	11	8		
52/ 51		.4	.5	.6	.3	.2												20	20	9	12		
50/ 49	.2	.5	.5	.3	.7	.1												19	19	9	11		
48/ 47	.1	.9	.1	.2	.2	.2	.1											17	17	16	8		
46/ 45		.5	1.2	.2	.1													19	19	17	18		
44/ 43		1.6	1.2	.5	.1													32	32	18	9		
42/ 41		1.2	2.8	1.5	.1													52	52	42	14		
40/ 39	.2	1.4	2.4	2.0														56	56	26	21		
38/ 37	.1	1.7	2.7	1.6	.2													59	59	50	33		
36/ 35	.5	2.6	4.4	.9														78	78	58	25		
34/ 33	.1	3.2	6.5	1.4														104	104	77	39		
32/ 31	.1	3.2	3.9	1.5														81	81	95	55		
30/ 29	.4	1.4	3.2	1.5														61	61	91	59		
28/ 27		2.9	3.9	.5														60	60	64	57		
26/ 25		2.7	3.7															59	59	73	81		
24/ 23		2.0	1.2															30	30	66	62		
22/ 21	.2	3.0	1.3															42	42	53	54		
20/ 19	.1	2.6	.4															29	29	41	63		
18/ 17		1.3	.2															14	14	29	51		
16/ 15	.2	1.0	.1															12	12	15	48		
14/ 13	.2	.9	.2															12	12	12	62		
12/ 11		.6	.2															8	8	9	37		
10/ 9	.1	.1	.3															5	5	9	33		
8/ 7		.5	.1															6	6	4	21		
6/ 5		.1																1	1	8	9		
4/ 3		.5																5	5	5	3		
2/ 1		.1																1	1	1	4		
Element (X)	Σ x ²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

6841
USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

13040	WRIGHT-PATTERSON AFB OH
STATION	STATION NAME

67-70, 73-78

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-74

DEC
MONTH

STATION

STATION NAME

YEARS

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
64/ 63				.4														4	4					
62/ 61				.4	.1													5	5					
61/ 59		.2	.3	.3	.1													9	9					
59/ 57		.1		.1		.1												3	3	8				
56/ 55		.2	.1	.2														5	5	7	5			
54/ 53		.3	.1															4	4	7	6			
52/ 51		1.4	.6	.2	.1													22	22	6	8			
50/ 49		.9	.5	.2	.1	.2												18	18	17	7			
47/ 47		.3	.1	.4	.2													10	10	15	18			
46/ 45	.1	1.1	1.7	.4	.1	.3												28	28	9	13			
44/ 43		1.7	2.3	.1														36	36	22	9			
42/ 41		.9	2.4		.2													32	32	26	17			
40/ 39	.1	1.4	2.6	1.2	.1													50	50	44	19			
38/ 37		1.7	2.7	.6														47	47	38	22			
36/ 35	.5	2.7	3.6	.9														71	71	42	33			
34/ 33	.1	3.6	6.7	1.1	.1													107	107	74	44			
32/ 31	.3	3.7	4.5	2.0	.1													99	99	84	46			
30/ 29	.3	1.8	3.2	.5														55	55	102	50			
28/ 27	.1	2.5	2.9	.5														56	56	67	66			
26/ 25		3.2	3.2															60	60	73	64			
24/ 23		2.1	1.2															30	30	67	64			
22/ 21	.5	3.1	1.1															48	48	54	55			
20/ 19	.2	4.2	.4															45	45	39	70			
18/ 17		1.8																17	17	52	66			
16/ 15	.1	.3	.3															7	7	9	42			
14/ 13	.1	.8																8	8	6	51			
12/ 11	.5	1.5	.3															25	25	17	50			
10/ 9	.1	.9																9	9	17	31			
8/ 7		.9																8	8	9	20			
6/ 5																				7	6			
4/ 3		.6																6	6	5	7			
2/ 1		.3																3	3	4	2			
0/ -1																					3			
-2/ -3																					0			
Element (X)	Σ X ²		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

6842 USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE ? 2100-2500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

ALL

[illegible]

0.26.5 (OLA)

USAFETAC FORM 4-1

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-79

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100/ 99												.0						1	1					
98/ 97											.0	.0						3	3					
96/ 95											.0	.0						30	30					
94/ 93							.0	.0	.0	.0	.0		.0					75	75					
92/ 91						.0	.0	.1	.1	.1	.0	.0	.0					234	234					
90/ 89				.0	.0	.0	.1	.2	.1	.1	.0	.0	.0					463	464					
88/ 87				.0	.0	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0			703	703					
86/ 85			.0	.0	.1	.3	.2	.3	.2	.1	.1	.0	.0	.0	.0			1067	1067					
84/ 83			.0	.1	.2	.3	.3	.3	.2	.1	.1	.0	.0	.0	.0			1376	1376		2			
82/ 81	.0	.0	.2	.3	.3	.4	.2	.2	.1	.1	.0	.0	.0					1614	1614	30	1			
80/ 79	.0	.1	.3	.4	.5	.3	.3	.2	.1	.1	.0	.0	.0					2041	2041	161	10			
78/ 77	.0	.3	.4	.5	.4	.7	.3	.2	.1	.0	.0	.0	.0					2337	2338	538	65			
76/ 75	.1	.5	.6	.5	.4	.1	.3	.1	.1	.0	.0							2660	2663	1247	261			
74/ 73	.0	.3	.7	.8	.3	.4	.3	.2	.2	.1	.0	.0						2988	2990	2102	811			
72/ 71	.0	.5	1.0	.7	.5	.4	.3	.2	.1	.1	.0							3324	3326	2689	1545			
70/ 69	.0	.6	1.2	.6	.5	.4	.2	.2	.1	.1	.0							3440	3446	3366	2279			
68/ 67	.0	.7	1.2	.5	.5	.3	.3	.1	.1	.0	.0	.0						3444	3444	3838	3015			
66/ 65	.0	.8	1.	.7	.4	.3	.2	.2	.1	.0	.0							3360	3360	3779	3331			
64/ 63	.0	.8	.7	.7	.4	.3	.2	.1	.1	.0	.0							2977	2977	4039	3340			
62/ 61	.0	.8	.7	.6	.5	.3	.2	.1	.0	.0	.0							2934	2935	3484	3200			
60/ 59	.0	.8	.9	.5	.4	.3	.2	.1	.0	.0								2829	2832	3504	3140			
58/ 57	.0	.8	.8	.5	.3	.3	.2	.1	.0	.0								2666	2667	3296	3168			
56/ 55	.0	.8	.8	.5	.3	.3	.2	.0	.0	.0								2598	2598	3275	3332			
54/ 53	.0	.7	.8	.6	.4	.3	.2	.0	.0	.0								2578	2578	3075	3009			
52/ 51	.0	.7	.8	.4	.4	.3	.1	.0	.0									2418	2418	2809	3122			
50/ 49	.1	.6	.9	.5	.4	.2	.1	.0										2440	2440	2664	2855			
48/ 47	.0	.9	.6	.6	.4	.2	.1	.0										2388	2389	2789	2646			
46/ 45	.0	.8	.8	.6	.3	.1	.0											2361	2361	2863	2716			
44/ 43	.0	.8	.9	.6	.3	.1	.0											2361	2361	2660	2539			
42/ 41	.0	.8	.9	.6	.3	.1												2398	2398	2645	2498			
40/ 39	.1	.8	1.1	.6	.2	.0	.0											2510	2510	2579	2442			
38/ 37	.1	1.1	1.0	.7	.2	.0												2632	2632	2812	2383			
36/ 35	.1	1.2	1.4	.5	.1	.0												2942	2942	2811	2650			
34/ 33	.1	1.2	1.4	.5	.1	.0												2817	2819	3216	2741			
Element (X)	Σ X ²			Σ X			X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

6844 USAFETAC FORM 0-26-5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

13840	RIGHT-PATTERSON AFB OH
STATION	STATION NAME

67-70, 73-79

YEARS

ALL
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13840 WRIGHT-PATTERSON AFB OH

67-70,73-79

STATION		STATION NAME												YEARS													
HRS (LST)		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
70-02	MEAN	23.9		26.5		38.9		48.2		57.5		65.6		69.5		67.6		60.4		49.0		41.0		31.2		48.4	
	S D	13.754		12.628		11.927		10.479		8.838		6.714		5.775		6.216		8.236		9.469		11.043		10.675		18.340	
	TOTAL OBS	930		846		928		900		930		899		929		929		900		930		900		930		10951	
03-05	MEAN	23.0		25.0		37.3		45.8		54.8		63.5		67.2		65.6		58.5		47.3		39.9		30.2		46.6	
	S D	13.997		12.911		12.223		10.681		9.138		6.978		6.134		6.610		8.637		9.670		10.940		10.893		18.120	
	TOTAL OBS	930		846		930		900		930		900		930		929		900		930		900		930		10955	
06-08	MEAN	22.2		24.2		36.8		46.2		56.5		65.5		68.7		66.4		58.6		46.7		39.1		29.6		46.8	
	S D	14.093		13.223		12.304		10.809		9.271		7.055		6.131		6.620		8.707		9.704		10.936		10.988		18.880	
	TOTAL OBS	930		846		930		900		930		900		930		930		900		930		900		930		10956	
09-11	MEAN	24.1		26.0		42.0		53.5		64.7		73.4		76.8		74.7		67.2		54.5		42.8		31.9		52.9	
	S D	13.758		12.876		12.567		11.315		9.686		7.238		5.845		5.863		8.207		9.501		10.808		10.754		20.726	
	TOTAL OBS	930		846		930		900		930		900		930		929		900		930		900		930		10955	
12-14	MEAN	27.9		33.2		47.2		58.5		69.4		78.0		81.4		80.0		73.1		60.6		47.3		35.5		57.8	
	S D	13.008		12.664		13.635		11.743		10.307		7.539		6.202		5.973		8.539		10.349		11.397		10.692		21.126	
	TOTAL OBS	930		845		930		899		930		900		930		929		900		930		900		930		10953	
15-17	MEAN	29.0		34.7		46.9		60.3		70.7		78.9		82.6		80.8		74.3		61.5		47.7		36.0		58.9	
	S D	12.805		12.501		13.856		11.839		10.143		7.509		6.233		6.078		8.473		10.501		11.481		10.791		21.139	
	TOTAL OBS	930		846		930		900		930		900		929		928		900		929		899		930		10951	
18-20	MEAN	26.7		31.6		45.5		56.9		67.4		75.6		79.2		76.6		69.0		55.9		44.0		33.4		55.3	
	S D	12.775		11.985		12.870		11.229		9.648		7.279		5.974		5.887		8.149		9.614		10.830		10.797		20.524	
	TOTAL OBS	930		846		930		900		930		900		930		927		900		930		900		928		10951	
21-23	MEAN	25.0		28.6		41.5		51.6		61.2		69.4		72.8		70.6		63.1		51.3		41.8		32.0		50.9	
	S D	13.247		12.172		12.005		10.403		8.771		6.686		5.581		5.769		7.874		9.248		10.851		10.900		18.921	
	TOTAL OBS	930		846		930		900		930		900		930		924		900		930		900		927		10947	
ALL HOURS	MEAN	25.2		29.0		42.3		52.6		62.8		71.2		74.8		72.8		65.5		53.4		42.9		32.5		52.2	
	S D	13.623		13.120		13.384		12.257		11.093		9.094		8.212		8.359		10.225		11.136		11.433		11.077		20.265	
	TOTAL OBS	7440		6767		7438		7199		7440		7199		7438		7425		7200		7439		7199		7435		87619	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-79

STATION	STATION NAME												YEARS
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10-02	MEAN 22.0	24.2	35.5	43.8	53.0	61.0	65.5	64.3	57.0	45.5	37.7	28.6	44.9
	S D 13.17	11.566	10.871	9.638	8.590	6.420	5.734	6.037	8.184	9.239	10.489	10.086	17.533
	TOTAL OBS 925	846	928	900	930	899	929	924	900	929	900	930	10943
13-05	MEAN 21.3	23.0	34.4	42.2	51.4	59.8	64.1	63.0	55.7	44.2	37.0	27.8	43.8
	S D 13.433	11.919	11.308	9.962	8.983	6.705	6.035	6.490	8.526	9.385	10.474	10.272	17.523
	TOTAL OBS 927	846	930	900	930	900	930	923	897	930	900	930	10943
16-08	MEAN 20.7	22.3	34.1	42.5	52.7	61.3	65.2	63.6	55.9	43.9	36.4	27.3	43.9
	S D 13.544	12.188	11.422	10.066	8.944	6.652	5.903	6.432	8.547	9.429	10.518	10.409	18.094
	TOTAL OBS 927	846	930	900	930	900	930	928	898	930	900	930	10949
19-11	MEAN 22.2	25.3	37.5	46.8	56.9	65.1	68.9	68.0	61.0	49.1	39.1	29.3	47.5
	S D 13.143	11.549	11.113	9.897	8.597	6.438	5.294	5.424	7.655	8.805	10.231	10.153	18.555
	TOTAL OBS 927	844	930	900	930	900	930	929	900	930	900	930	10950
1-14	MEAN 25.1	29.0	40.5	49.5	58.9	66.6	70.3	69.6	62.9	52.0	41.6	31.8	49.9
	S D 12.130	10.737	11.269	9.686	8.340	6.311	5.323	5.426	7.594	9.003	10.327	9.869	17.936
	TOTAL OBS 930	843	930	899	930	900	930	929	900	930	900	930	10951
15-17	MEAN 25.9	30.0	41.4	50.4	59.4	66.7	70.4	69.5	63.1	52.0	41.7	32.1	50.3
	S D 11.889	11.388	10.972	9.420	8.057	6.158	5.117	5.203	7.520	8.880	10.333	9.914	17.644
	TOTAL OBS 930	846	930	900	930	900	929	927	900	928	899	930	10949
18-20	MEAN 24.2	28.0	39.5	48.6	58.0	65.4	69.3	68.2	61.3	49.4	39.6	30.4	48.6
	S D 12.147	10.472	10.688	9.270	8.067	6.108	5.098	5.257	7.520	8.995	10.252	10.194	17.834
	TOTAL OBS 930	846	930	900	930	900	930	927	900	930	900	928	10951
21-23	MEAN 22.9	25.9	37.3	45.9	55.3	63.0	67.2	65.9	58.7	47.0	38.2	29.3	46.5
	S D 12.641	11.001	10.664	9.350	8.270	6.230	5.336	5.612	7.843	9.049	10.319	10.340	17.643
	TOTAL OBS 930	846	930	900	930	900	930	924	900	930	900	927	10947
ALL HOURS	MEAN 23.0	26.0	37.5	46.2	55.7	63.6	67.6	66.5	59.4	47.9	38.9	29.6	46.9
	S D 12.889	11.542	11.336	10.105	8.955	6.867	5.953	6.271	8.421	9.569	10.529	10.780	18.011
	TOTAL OBS 7429	6763	7438	7199	7440	7199	7438	7411	7195	7437	7199	7435	87583

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13840 WRIGHT-PATTERSON AFB OH

67-70,73-79

STATION		STATION NAME											YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL										
00-02	MEAN	16.4	13.5	30.2	38.6	49.0	57.9	63.2	62.3	54.5	41.7	32.9	23.2	40.8										
	S D	15.192	12.495	12.165	10.992	10.090	7.238	6.483	6.539	9.088	10.504	11.871	11.570	19.239										
	TOTAL OBS	928	846	928	900	930	899	929	924	900	929	900	930	10943										
03-05	MEAN	16.3	17.7	29.7	37.6	48.2	57.2	62.3	61.4	53.5	40.7	32.5	22.6	40.1										
	S D	15.434	12.915	12.464	11.160	10.239	7.359	6.567	6.878	9.229	10.468	11.869	11.692	19.233										
	TOTAL OBS	927	846	930	900	930	900	930	923	897	930	900	930	10943										
06-08	MEAN	15.5	17.2	29.6	37.9	49.2	58.4	63.1	61.9	53.8	40.7	32.1	22.3	40.3										
	S D	15.473	13.055	12.529	11.207	10.128	7.330	6.441	6.830	9.149	10.392	11.855	11.814	19.647										
	TOTAL OBS	927	846	930	900	930	900	930	928	898	930	900	930	10949										
09-11	MEAN	16.5	19.1	31.1	39.5	50.6	60.0	64.6	64.2	56.5	43.6	33.8	23.8	42.1										
	S D	15.194	12.505	12.514	11.817	10.683	7.938	6.771	6.647	9.167	10.495	11.774	11.640	19.833										
	TOTAL OBS	927	844	930	900	930	900	930	929	900	930	900	930	10950										
12-14	MEAN	18.1	20.8	31.7	40.2	50.8	59.8	64.4	64.0	55.9	43.6	34.3	24.8	42.5										
	S D	14.447	11.952	12.922	12.095	10.749	8.268	7.344	7.250	10.041	11.472	12.332	11.767	19.422										
	TOTAL OBS	930	843	930	899	930	900	930	929	900	930	900	930	10951										
15-17	MEAN	18.3	21.2	31.9	40.3	50.7	59.3	64.0	63.4	55.4	42.9	33.9	25.1	42.3										
	S D	14.473	11.811	12.611	11.972	10.719	8.441	7.358	7.191	10.337	11.477	11.455	11.866	19.198										
	TOTAL OBS	930	846	930	900	930	900	929	927	900	928	899	900	10949										
18-20	MEAN	17.6	20.5	31.3	39.8	50.4	59.1	63.9	63.5	55.9	42.7	33.5	23.7	42.0										
	S D	14.572	11.694	12.306	11.496	10.562	8.265	7.141	6.893	9.505	11.014	12.096	12.014	19.284										
	TOTAL OBS	930	846	930	900	930	900	930	927	900	930	900	928	10951										
21-23	MEAN	16.8	19.7	31.0	39.6	50.2	58.8	64.0	63.3	55.4	42.4	32.9	23.7	41.6										
	S D	14.799	12.011	12.095	10.875	10.104	7.441	6.391	6.443	9.044	10.655	11.805	12.023	19.313										
	TOTAL OBS	930	846	930	900	930	900	930	924	900	930	900	927	10947										
ALL HOURS	MEAN	16.9	19.3	30.8	39.2	49.9	58.8	63.7	63.0	55.1	42.3	33.2	23.7	41.4										
	S D	14.976	12.384	12.475	11.494	10.447	7.845	6.859	6.901	9.504	10.868	12.024	11.827	19.416										
	TOTAL OBS	7429	6763	7438	7199	7440	7199	7438	7411	7195	7437	7199	7435	87583										

RELATIVE HUMIDITY

JAN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.5	95.5	84.3	60.2	32.8	7.4	73.6	928
	03-05	100.0	100.0	100.0	99.5	96.2	87.3	65.3	33.5	8.3	74.7	927
	06-08	100.0	100.0	100.0	99.8	97.4	89.0	66.9	36.9	7.6	75.5	927
	09-11	100.0	100.0	100.0	99.7	96.0	83.5	59.5	30.7	6.3	73.3	927
	12-14	100.0	100.0	99.9	97.8	86.9	65.8	43.8	19.6	4.6	67.4	930
	15-17	100.0	100.0	99.5	96.1	81.4	61.5	38.0	17.6	4.1	65.4	930
	18-20	100.0	100.0	100.0	98.9	90.4	70.8	47.5	22.4	5.5	69.2	930
	21-23	100.0	100.0	100.0	98.9	93.9	79.6	54.2	26.1	5.4	71.5	930
TOTALS		100.0	100.0	99.9	98.8	92.2	77.7	54.4	27.5	6.2	71.3	7429

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.5	95.5	84.2	57.2	27.8	6.1	72.5	846
	03-05	100.0	100.0	100.0	99.6	96.1	87.8	63.1	32.3	8.4	74.3	846
	06-08	100.0	100.0	100.0	99.8	97.6	88.7	67.8	33.9	8.6	75.2	846
	09-11	100.0	100.0	99.6	98.0	91.6	77.1	52.5	24.2	7.1	70.3	844
	12-14	100.0	99.6	97.3	88.8	75.1	55.9	33.7	15.3	3.6	62.4	843
	15-17	100.0	99.3	95.6	85.6	69.6	51.3	30.0	13.9	3.4	60.3	846
	18-20	100.0	99.9	99.3	95.3	81.6	62.2	35.7	15.4	4.4	65.0	846
	21-23	100.0	100.0	100.0	98.7	91.8	77.8	47.9	22.5	5.1	70.2	846
TOTALS		100.0	99.9	99.0	95.7	87.4	73.1	48.5	23.2	5.8	68.8	6763

RELATIVE HUMIDITY

MAR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR.	00-02	100.0	100.0	99.6	98.1	92.8	78.3	54.0	30.8	9.3	72.1	928
	03-05	100.0	100.0	100.0	98.8	94.8	86.0	64.2	40.0	12.4	75.2	930
	06-08	100.0	100.0	100.0	99.7	96.5	87.3	66.9	39.7	13.8	76.0	930
	09-11	100.0	100.0	98.3	94.9	83.7	66.7	40.2	22.5	7.5	67.0	930
	12-14	100.0	98.9	94.3	82.5	63.5	40.6	22.5	13.0	4.1	57.6	930
	15-17	100.0	98.2	91.3	75.3	57.4	36.3	22.4	13.2	2.8	55.3	930
	18-20	100.0	99.2	95.5	85.3	69.1	48.1	29.6	16.7	4.8	60.5	930
	21-23	100.0	100.0	99.1	95.7	85.7	67.7	44.9	24.0	6.6	68.0	930
TOTALS		100.0	99.5	97.3	91.3	80.4	63.9	43.1	25.0	7.7	66.5	7438

USAFETAC FORM JUL 64 0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840 WRIGHT-PATTERSON AFB OH
STATION STATION NAME

68-70,73-79
PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	98.2	92.4	74.7	47.9	25.4	6.6	70.4	900
	03-05	100.0	100.0	100.0	99.6	94.9	84.7	57.6	32.9	10.9	74.0	900
	06-08	100.0	100.0	100.0	99.4	95.4	82.1	59.4	33.8	11.6	74.0	900
	09-11	100.0	100.0	98.7	89.3	68.9	49.4	29.4	17.2	4.6	61.4	900
	12-14	100.0	100.0	91.8	70.1	48.7	33.1	22.4	9.9	2.2	53.4	899
	15-17	100.0	99.8	87.0	63.8	41.7	30.4	19.1	9.4	1.6	50.9	900
	18-20	100.0	100.0	94.7	75.1	52.3	37.2	25.4	10.9	2.1	55.5	900
	21-23	100.0	100.0	100.0	96.3	81.4	57.1	35.8	17.0	4.4	65.0	900
TOTALS		100.0	100.0	96.5	86.5	72.0	56.1	37.1	19.6	5.5	63.1	7199

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.2	95.9	83.5	62.8	34.5	10.1	74.3	930
	03-05	100.0	100.0	100.0	99.5	97.7	91.9	76.8	52.2	16.5	79.0	930
	06-08	100.0	100.0	100.0	99.8	97.5	89.1	71.4	44.3	13.2	77.3	930
	09-11	100.0	100.0	98.8	91.6	74.1	50.8	30.1	15.1	3.7	62.1	930
	12-14	100.0	100.0	94.7	74.9	51.0	32.5	18.7	9.1	2.2	54.1	930
	15-17	100.0	99.7	91.2	68.7	45.8	26.7	18.3	8.0	1.3	51.8	930
	18-20	100.0	99.8	96.0	80.5	60.2	39.8	24.3	13.1	1.9	57.1	930
	21-23	100.0	100.0	99.8	97.0	87.1	69.6	44.4	24.3	5.2	68.5	930
TOTALS		100.0	99.9	97.6	88.9	76.2	60.7	43.4	25.1	6.8	65.5	7440

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70, 73-79
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L F)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.7	93.1	72.2	37.3	7.2	76.7	899
	03-05	100.0	100.0	100.0	100.0	99.7	95.8	85.4	49.6	11.6	80.2	900
	06-08	100.0	100.0	100.0	100.0	99.2	94.7	77.2	44.4	7.4	78.1	900
	09-11	100.0	100.0	100.0	96.8	83.7	58.8	29.2	11.9	1.9	63.9	900
	12-14	100.0	100.0	98.0	86.1	58.8	31.1	14.1	5.7	1.0	55.0	900
	15-17	100.0	99.7	96.7	79.7	48.4	28.0	14.9	6.9	1.1	52.9	900
	18-20	100.0	99.8	98.1	88.6	64.9	40.2	24.8	11.7	1.2	58.5	900
	21-23	100.0	100.0	100.0	99.8	95.2	76.0	46.4	22.2	3.7	70.0	900
TOTALS		100.0	100.0	99.1	93.9	81.2	64.7	45.5	23.7	4.4	66.9	7199

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FORM
JUL 64

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840 WRIGHT-PATTERSON AFB OH

68-70, 73-79

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	97.7	84.3	54.9	11.3	80.3	929
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	94.9	70.2	18.0	84.1	930
	06-08	100.0	100.0	100.0	100.0	100.0	98.7	90.0	61.7	14.0	82.2	930
	09-11	100.0	100.0	100.0	98.7	89.5	67.8	40.0	18.9	3.1	67.2	930
	12-14	100.0	100.0	99.9	90.2	64.0	36.0	18.7	8.7	1.9	57.6	930
	15-17	100.0	100.0	99.2	84.1	56.5	31.0	17.2	7.2	1.7	55.1	929
	18-20	100.0	100.0	99.7	92.3	71.4	46.0	28.5	13.5	3.3	61.1	930
	21-23	100.0	100.0	100.0	100.0	98.3	87.8	63.8	33.8	5.3	74.4	930
TOTALS		100.0	100.0	99.9	95.7	85.0	70.5	54.7	33.6	7.3	70.3	7438

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1384C
STATION

WRIGHT-PATTERSON AFB OH
STATION NAME

68-70,73-79
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.5	94.0	70.7	10.9	83.4	924
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.0	84.1	21.8	86.2	923
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	95.7	79.6	19.5	85.5	928
	09-11	100.0	100.0	100.0	99.5	94.0	78.9	53.8	22.6	2.0	70.6	929
	12-14	100.0	100.0	99.9	94.3	74.0	42.4	20.3	5.8	.8	59.2	929
	15-17	100.0	100.0	99.8	89.6	63.9	33.2	16.2	7.8	1.1	56.8	927
	18-20	100.0	100.0	99.9	97.0	86.2	61.3	36.6	14.6	1.4	65.0	927
	21-23	100.0	100.0	100.0	100.0	99.4	95.2	80.5	43.8	3.1	77.9	924
TOTALS		100.0	100.0	100.0	97.6	89.7	76.3	61.8	41.1	7.6	73.1	7411

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-78

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	99.8	99.6	96.7	87.0	57.0	12.3	81.1	900
	03-05	100.0	100.0	100.0	100.0	99.6	98.8	94.0	66.2	18.3	83.7	897
	06-08	100.0	100.0	100.0	100.0	99.9	99.1	94.1	68.2	21.5	84.1	898
	09-11	100.0	100.0	99.8	97.7	91.1	74.0	49.3	22.2	3.7	69.6	900
	12-14	100.0	99.8	97.4	86.2	61.0	33.7	20.3	8.1	1.3	56.5	900
	15-17	100.0	99.7	93.6	80.8	52.0	30.1	17.4	7.6	.9	53.9	900
	18-20	100.0	100.0	99.2	94.2	81.7	58.1	35.8	16.2	1.9	64.4	900
	21-23	100.0	100.0	100.0	100.0	98.7	90.1	72.0	35.9	6.9	76.2	900
TOTALS		100.0	99.9	98.8	94.8	85.5	72.6	58.7	35.2	8.4	71.2	7195

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1384L WRIGHT-PATTERSON AFB OH
STATION STATION NAME

67-70,73-78
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.9	97.3	90.3	70.8	37.9	10.9	76.4	929
	03-05	100.0	100.0	100.0	99.8	98.0	93.5	76.7	45.2	12.2	78.4	930
	06-08	100.0	100.0	100.0	99.9	98.8	95.9	81.2	48.7	14.2	79.8	930
	09-11	100.0	100.0	99.8	97.1	87.4	67.7	43.1	22.7	5.5	68.1	930
	12-14	100.0	99.7	96.7	80.6	53.2	33.5	21.5	11.3	1.5	55.7	930
	15-17	100.0	99.8	94.2	73.0	45.4	28.2	19.8	11.1	2.0	53.1	928
	18-20	100.0	100.0	99.0	93.5	76.6	50.9	31.0	15.9	3.4	62.8	930
	21-23	100.0	100.0	100.0	99.4	94.1	81.3	54.6	28.6	6.8	72.3	930
TOTALS		100.0	99.9	98.7	92.9	81.4	67.7	49.8	27.7	7.1	68.3	7437

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-78

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.4	96.8	87.6	60.3	27.9	6.1	73.4	900
	03-05	100.0	100.0	100.0	99.4	98.6	88.6	68.9	35.4	7.2	75.4	900
	06-08	100.0	100.0	100.0	99.4	97.7	92.6	74.3	37.9	7.1	76.5	900
	09-11	100.0	100.0	100.0	99.3	94.4	78.3	52.7	26.6	4.6	71.2	900
	12-14	100.0	99.9	99.0	94.0	75.6	49.7	29.8	14.1	2.1	62.3	900
	15-17	100.0	99.7	98.7	92.0	70.4	46.7	27.9	12.0	2.4	60.6	899
	18-20	100.0	100.0	99.9	98.0	88.9	69.6	37.6	17.9	4.0	67.3	900
	21-23	100.0	100.0	100.0	99.7	96.2	82.0	52.6	23.8	4.9	71.5	900
TOTALS		100.0	100.0	99.7	97.7	89.8	74.4	50.5	24.5	4.8	69.8	7199

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13840

WRIGHT-PATTERSON AFB OH

67-70, 73-78

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.9	99.5	96.9	85.3	58.6	27.5	5.1	72.8	930
	03-05	100.0	100.0	99.7	99.5	97.6	87.1	63.0	31.3	5.4	73.8	930
	06-08	100.0	100.0	100.0	99.7	97.5	89.2	64.1	35.3	6.9	74.7	930
	09-11	100.0	100.0	100.0	99.4	96.0	83.3	56.1	27.7	6.1	72.5	930
	12-14	100.0	100.0	99.6	98.0	88.7	62.5	37.7	16.5	3.2	66.0	930
	15-17	100.0	100.0	99.7	97.2	85.3	61.8	37.1	16.3	2.5	65.5	930
	18-20	100.0	100.0	100.0	99.0	94.5	77.8	48.0	22.6	5.2	70.1	928
	21-23	100.0	100.0	100.0	99.2	95.7	83.2	54.4	25.4	5.2	71.9	927
TOTALS		100.0	100.0	99.9	98.9	94.0	78.8	52.4	25.1	5.0	70.9	7435

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13640 WRIGHT-PATTERSON AFB OH

67-70,73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.9	98.6	92.2	77.7	54.4	27.5	6.2	71.3	7429
FEB		100.0	99.9	99.0	95.7	87.4	73.1	48.5	23.2	5.8	68.8	6763
MAR		100.0	99.5	97.3	91.3	80.4	63.9	43.1	25.0	7.7	66.5	7438
APR		100.0	100.0	96.5	86.5	72.0	56.1	37.1	19.6	5.5	63.1	7199
MAY		100.0	99.9	97.6	88.9	76.2	60.7	43.4	25.1	6.8	65.5	7440
JUN		100.0	100.0	99.1	93.9	81.2	64.7	45.5	23.7	4.4	66.9	7199
JUL		100.0	100.0	99.9	95.7	85.0	70.5	54.7	33.6	7.3	70.3	7438
AUG		100.0	100.0	100.0	97.6	89.7	76.3	61.8	41.1	7.6	73.1	7411
SEP		100.0	99.9	98.8	94.8	85.5	72.6	58.7	35.2	8.4	71.2	7195
OCT		100.0	99.9	98.7	92.9	81.4	67.7	49.8	27.7	7.1	68.3	7437
NOV		100.0	100.0	99.7	97.7	89.8	74.4	50.5	24.5	4.8	69.8	7199
DEC		100.0	100.0	99.9	98.9	94.0	78.8	52.4	25.1	5.0	70.9	7435
TOTALS		100.0	99.9	98.9	94.4	84.6	69.7	50.0	27.6	6.4	68.8	87583

USAFETAC

FORM
JUL 64

0-27-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

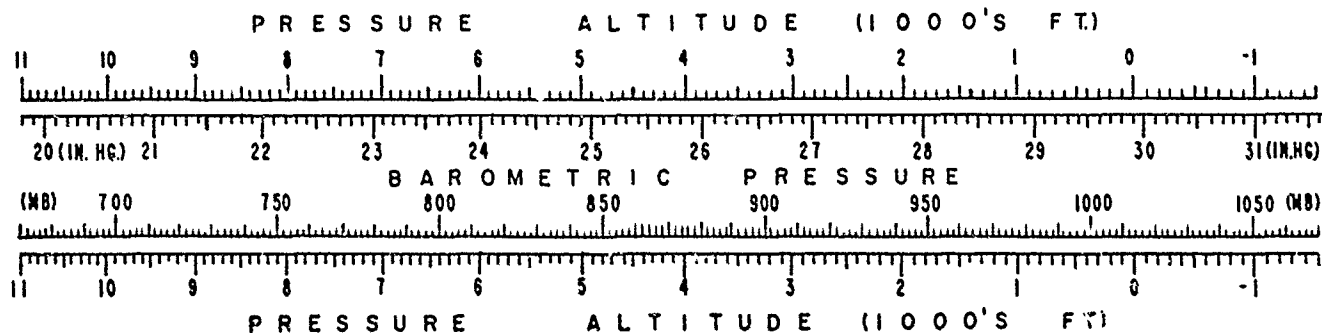
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13540 WRIGHT-PATTERSON AFB OH

67-70, 73-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	29.189	29.168	29.105	29.116	29.078	29.099	29.141	29.172	29.183	29.195	29.154	29.136	29.145	
	S D	.257	.219	.225	.209	.163	.178	.115	.100	.128	.159	.195	.231	.187	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
04	MEAN	29.192	29.157	29.091	29.109	29.082	29.092	29.134	29.166	29.178	29.196	29.151	29.139	29.141	
	S D	.258	.225	.230	.211	.165	.132	.117	.102	.130	.164	.199	.235	.191	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
07	MEAN	29.198	29.169	29.111	29.135	29.111	29.119	29.159	29.192	29.203	29.217	29.162	29.145	29.160	
	S D	.257	.231	.239	.218	.169	.138	.120	.106	.134	.170	.202	.238	.195	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	29.226	29.191	29.131	29.147	29.116	29.124	29.167	29.204	29.216	29.236	29.183	29.168	29.176	
	S D	.256	.237	.239	.219	.173	.139	.120	.106	.132	.173	.203	.240	.197	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	29.192	29.168	29.113	29.125	29.095	29.107	29.152	29.184	29.190	29.203	29.151	29.130	29.151	
	S D	.251	.236	.225	.211	.168	.136	.116	.104	.129	.169	.199	.239	.192	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	29.179	29.138	29.082	29.093	29.063	29.076	29.120	29.150	29.154	29.174	29.136	29.120	29.124	
	S D	.249	.230	.214	.202	.163	.132	.114	.101	.125	.163	.193	.231	.186	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
19	MEAN	29.200	29.158	29.093	29.096	29.062	29.072	29.113	29.145	29.157	29.187	29.156	29.138	29.131	
	S D	.247	.221	.208	.196	.155	.127	.109	.098	.124	.161	.191	.228	.183	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
22	MEAN	29.202	29.169	29.110	29.120	29.089	29.098	29.140	29.173	29.180	29.201	29.161	29.143	29.149	
	S D	.252	.218	.212	.199	.155	.124	.110	.098	.125	.162	.194	.225	.183	
	TOTAL OBS	310	282	310	300	310	300	310	307	300	310	300	309	3648	
ALL HOURS	MEAN	29.197	29.165	29.104	29.118	29.088	29.098	29.141	29.173	29.183	29.201	29.157	29.140	29.147	
	S D	.254	.227	.224	.209	.165	.133	.116	.104	.130	.166	.197	.233	.190	
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2475	2400	2480	2400	2478	29209	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13840 WRIGHT-PATTERSON AFB OH

67-70, 73-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	A	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	1019.9	1019.0	1016.2	1016.3	1019.4	1015.1	1016.5	1017.6	1018.2	1019.0	1018.0	1017.7	1017.4	
	S D	9.197	7.859	7.902	7.400	5.605	4.504	3.983	3.508	4.447	5.693	6.937	8.199	6.681	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
04	MEAN	1020.0	1018.6	1015.8	1016.1	1014.8	1014.9	1016.2	1017.4	1018.0	1019.0	1017.9	1017.9	1017.2	
	S D	9.261	8.097	8.200	7.464	5.784	4.625	4.051	3.594	4.570	5.837	7.075	8.329	6.835	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651	
07	MEAN	1020.2	1019.1	1016.6	1017.0	1015.8	1015.8	1017.1	1018.3	1018.9	1019.9	1018.3	1018.1	1017.9	
	S D	9.228	8.330	8.510	7.734	5.952	4.824	4.165	3.703	4.696	6.077	7.199	8.473	6.956	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	1021.2	1017.8	1017.2	1017.4	1015.9	1016.0	1017.4	1018.7	1019.3	1020.5	1019.0	1018.9	1018.5	
	S D	9.210	8.522	8.524	7.721	6.037	4.871	4.166	3.711	4.649	6.130	7.215	8.559	7.036	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651	
13	MEAN	1020.0	1019.0	1016.6	1016.6	1015.2	1015.4	1016.9	1018.0	1018.4	1019.3	1017.9	1017.5	1017.5	
	S D	8.988	8.483	8.023	7.474	5.902	4.772	4.069	3.628	4.522	5.987	7.056	8.498	6.833	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	1019.5	1017.9	1015.5	1015.5	1014.1	1014.3	1015.7	1016.8	1017.2	1018.3	1017.3	1017.2	1016.6	
	S D	8.928	8.150	7.621	7.101	5.692	4.615	3.959	3.557	4.377	5.809	6.869	8.213	6.649	
	TOTAL OBS	310	281	310	300	310	300	310	309	300	310	300	310	3650	
19	MEAN	1020.3	1018.7	1015.9	1015.6	1014.1	1014.2	1015.5	1016.7	1017.3	1018.8	1018.1	1017.9	1016.9	
	S D	8.858	7.961	7.426	6.947	5.446	4.484	3.814	3.456	4.319	5.757	6.809	8.109	6.605	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
22	MEAN	1020.4	1019.1	1016.5	1016.5	1015.0	1015.1	1016.4	1017.6	1018.1	1019.3	1018.3	1018.0	1017.5	
	S D	9.046	7.841	7.592	7.042	5.446	4.372	3.809	3.438	4.361	5.776	6.932	8.026	6.575	
	TOTAL OBS	310	282	310	300	310	300	309	307	300	309	300	309	3646	
ALL HOURS	MEAN	1020.2	1018.9	1016.3	1016.4	1015.0	1015.1	1016.5	1017.7	1018.2	1019.3	1018.1	1017.9	1017.4	
	S D	9.090	8.163	7.990	7.380	5.764	4.669	4.043	3.629	4.540	5.911	7.017	8.305	6.793	
	TOTAL OBS	2480	2255	2480	2400	2480	2400	2478	2475	2400	2478	2400	2478	29204	